



## Winnebago Reclamation Service

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8403 Lindenwood Road • Rockford, IL 61109 • Tel: (815) 874-4806 • Fax: (815) 874-4630

EPA Region 5 Records Ctr.



301307

January 14, 2005

Bernard Schorle  
United States Environmental Protection Agency  
Region 5 – E.P.A.  
77 West Jackson Boulevard  
Chicago, Illinois 60604

RE: Winnebago Reclamation Service  
2018080001 – Winnebago County  
Permit No. 1991-138-LF  
Pagel Landfill – Northern Unit  
October 2004 – 4th Quarter Groundwater Monitoring

Dear Mr. Schorle:

Enclosed are copies of the analytical results and chain of custody for groundwater samples collected October 2004. Sample appearance information and field data are provided on the enclosed field data sheet. In addition, I will e-mail you the excel spreadsheet containing the data for the North Unit.

Please feel free to call Tom Hilbert at 815-381-5646, or myself at 815-381-5649, if you have any questions.

Sincerely,

Evan Buskohl  
Waste Group



**PDC Laboratories, Inc.**

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689



**Report Cover Page**

**Waste Group**  
**5450 Wansford Way, Suite 201B**

**Rockford, IL 61109-1759**

**Date Received: 12-Oct-04**

**Date Reported: 01-Nov-04**

**PO #: Pagel N-GW**

**PDC Cust. # : 209324**

**Attn: Mr. Evan Buskohl**

**Login No. 04102356**

**Copy: Ms. Kim Van Pelt, c/o Andrews, 3535 Mayflower Blvd, Springfield, IL, 62711-9405**

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested.

This report contains 26 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04102356-1	PAGEL/NORTH	R03S	PAGEL PIT
04102356-2	PAGEL/NORTH	G03M	PAGEL PIT
04102356-3	PAGEL/NORTH	G09M	PAGEL PIT
04102356-4	PAGEL/NORTH	G09D	PAGEL PIT
04102356-7	PAGEL/NORTH	G16M	PAGEL PIT
04102356-8	PAGEL/NORTH	G16D	PAGEL PIT
04102356-9	PAGEL/NORTH	G17S	PAGEL PIT
04102356-10	PAGEL/NORTH	G18S	PAGEL PIT
04102356-11	PAGEL/NORTH	G18D	PAGEL PIT
04102356-12	PAGEL/NORTH	G33S	PAGEL PIT
04102356-13	PAGEL/NORTH	G33D	PAGEL PIT
04102356-14	PAGEL/NORTH	G34S	PAGEL PIT
04102356-15	PAGEL/NORTH	G34D	PAGEL PIT
04102356-16	PAGEL/NORTH	G35S	PAGEL PIT





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**Report Cover Page**

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**Rockford, IL 61109-1759**

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**PO #: Pagel N-GW**

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Sample No.	Client ID	Site	Locator
04102356-17	PAGEL/NORTH	G35D	PAGEL PIT
04102356-18	PAGEL/NORTH	G37S	PAGEL PIT
04102356-19	PAGEL/NORTH	G37D	PAGEL PIT
04102356-20	PAGEL/NORTH	G39S	PAGEL PIT
04102356-21	PAGEL/NORTH	G40S	PAGEL PIT
04102356-22	PAGEL/NORTH	G41S	PAGEL PIT
04102356-23	PAGEL/NORTH	G41M	PAGEL PIT
04102356-24	PAGEL/NORTH	G41D	PAGEL PIT
04102356-25	PAGEL/NORTH	G119	PAGEL PIT
04102356-26	PAGEL/NORTH	SG1	PAGEL PIT
04102356-27	PAGEL/NORTH	SG3	PAGEL PIT
04102356-28	PAGEL/NORTH	SG4	PAGEL PIT

Certified by:

Dorothy W. Rotherth, Project Manager

PDC Laboratories, Inc. participates in the following laboratory accreditation/certification/validation and proficiency programs:

Endorsement by the Federal or State Government or their agencies is not implied.

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

State of Illinois Certification for Bacteriological Analysis in Drinking Water -Lab Registry No. 17533

Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)

Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)

Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)

UST Certification: Iowa (240)

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-1  
Client ID: PAGEL/NORTH  
Site: R03S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 10:57

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	64.	mg/l	13-Oct-04 10:57	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 09:57	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	25.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.035	mg/l	13-Oct-04 10:41	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 08:43	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	27.	mg/l	13-Oct-04 10:57	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	510	mg/l	15-Oct-04 10:04	KD
SW-846 METHOD 6010B Boron, Dissolved	140	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	6800	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	13.	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	130	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

**Date Received:** 12-Oct-04**Date Reported:** 01-Nov-04**PO #:** Pagel N-GW**PDC Cust. #** : 209324**Login No.** 04102356**Sample No:** 04102356-2  
**Client ID:** PAGEL/NORTH  
**Site:** G03M  
**Locator:** PAGEL PIT  
**Collect Date:** 12-OCT-04 11:15

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	43.	mg/l	13-Oct-04 11:27	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 09:58	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	2.4	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	8.8	mg/l	13-Oct-04 11:27	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 08:44	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	27.	mg/l	13-Oct-04 11:27	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	470	mg/l	15-Oct-04 10:05	KD
SW-846 METHOD 6010B Boron, Dissolved	52.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	440	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-3  
Client ID: PAGEL/NORTH  
Site: G09M  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 09:45

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	250	mg/l	22-Oct-04 12:11	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 09:59	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	5.2	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.051	mg/l	13-Oct-04 11:43	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	26-Oct-04 09:39	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	< 1.0	mg/l	13-Oct-04 11:43	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	1200	mg/l	15-Oct-04 10:05	KD
SW-846 METHOD 6010B Boron, Dissolved	21.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	5200	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.8	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	22.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	1.1	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	11000	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

**Date Received: 12-Oct-04****Date Reported: 01-Nov-04****PO #: Pagel N-GW****PDC Cust. # : 209324****Login No. 04102356**Sample No: 04102356-4  
Client ID: PAGEL/NORTH  
Site: G09D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 10:07

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	20.	mg/l	20-Oct-04 22:09	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:00	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	0.10	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.035	mg/l	13-Oct-04 12:28	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 08:54	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	46.	mg/l	20-Oct-04 22:09	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	1000	mg/l	15-Oct-04 10:05	KD
SW-846 METHOD 6010B Boron, Dissolved	45.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	3300	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	830	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	28.	ug/l	18-Oct-04 14:00	KJP



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**Laboratory Results**

**Waste Group**  
5450 Wansford Way, Suite 201B  
Rockford, IL 61109-1759

**Date Received:** 12-Oct-04  
**Date Reported:** 01-Nov-04  
**PO #:** Pagel N-GW  
**PDC Cust. # :** 209324

**Attn:** Mr. Evan Buskohl

**Login No.** 04102356

Sample No: 04102356-7  
Client ID: PAGEL/NORTH  
Site: G16M  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 07:50

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	52.	mg/l	13-Oct-04 12:59	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:01	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	12.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	6.6	mg/l	13-Oct-04 12:59	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 08:55	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	27.	mg/l	13-Oct-04 12:59	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	530	mg/l	15-Oct-04 10:06	KD
SW-846 METHOD 6010B Boron, Dissolved	80.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	900	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	9.9	ug/l	18-Oct-04 14:00	KJP





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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-8  
Client ID: PAGEL/NORTH  
Site: G16D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 07:32

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	11.	mg/l	13-Oct-04 13:45	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:01	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	3.5	mg/l	13-Oct-04 13:45	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 08:56	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	30.	mg/l	13-Oct-04 13:45	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	390	mg/l	15-Oct-04 10:06	KD
SW-846 METHOD 6010B Boron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-9  
Client ID: PAGEL/NORTH  
Site: G17S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 10:10

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	27.	mg/l	13-Oct-04 14:15	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:02	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	7.3	mg/l	13-Oct-04 14:15	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:28	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	47.	mg/l	13-Oct-04 14:15	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	530	mg/l	15-Oct-04 10:06	KD
SW-846 METHOD 6010B Boron, Dissolved	38.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	18.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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### Laboratory Results

**Waste Group**  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

**Date Received:** 12-Oct-04  
**Date Reported:** 01-Nov-04  
**PO #:** Pagel N-GW  
**PDC Cust. # :** 209324

**Attn:** Mr. Evan Buskohl

**Login No.** 04102356

**Sample No:** 04102356-10  
**Client ID:** PAGEL/NORTH  
**Site:** G18S  
**Locator:** PAGEL PIT  
**Collect Date:** 12-OCT-04 09:15

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	20.	mg/l	13-Oct-04 14:30	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:07	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	0.25	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.58	mg/l	13-Oct-04 14:30	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	R< 0.0050	mg/l	20-Oct-04 08:57	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	94.	mg/l	13-Oct-04 14:30	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	570	mg/l	15-Oct-04 10:06	KD
SW-846 METHOD 6010B Boron, Dissolved	120	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	81.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-11  
Client ID: PAGEL/NORTH  
Site: G18D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 09:23

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	28.	mg/l	13-Oct-04 14:46	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:08	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	6.9	mg/l	13-Oct-04 14:46	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:32	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	25.	mg/l	13-Oct-04 14:46	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	410	mg/l	15-Oct-04 10:07	KD
SW-846 METHOD 6010B Boron, Dissolved	12.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

**PDC Laboratories, Inc.**

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-12  
Client ID: PAGEL/NORTH  
Site: G33S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 09:43

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	18.	mg/l	13-Oct-04 15:01	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:08	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	9.2	mg/l	13-Oct-04 15:01	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:33	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	34.	mg/l	13-Oct-04 15:01	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	450	mg/l	15-Oct-04 10:07	KD
SW-846 METHOD 6010B Boron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

**Date Received: 12-Oct-04****Date Reported: 01-Nov-04****PO #: Pagel N-GW****PDC Cust. # : 209324****Login No. 04102356**Sample No: 04102356-13  
Client ID: PAGEL/NORTH  
Site: G33D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 09:25

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	15.	mg/l	13-Oct-04 12:48	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:11	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	8.8	mg/l	13-Oct-04 12:48	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:39	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	33.	mg/l	13-Oct-04 12:48	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	440	mg/l	15-Oct-04 10:07	KD
SW-846 METHOD 6010B Boron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	11.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

**PDC Laboratories, Inc.**

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-14  
Client ID: PAGEL/NORTH  
Site: G34S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 08:10

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	130	mg/l	20-Oct-04 22:29	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:12	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	18.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	2.5	mg/l	13-Oct-04 13:07	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:40	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	25.	mg/l	13-Oct-04 13:07	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	690	mg/l	15-Oct-04 10:08	KD
SW-846 METHOD 6010B Boron, Dissolved	100	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.8	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	170	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

**PDC Laboratories, Inc.**

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-15  
Client ID: PAGEL/NORTH  
Site: G34D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 08:25

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	55.	mg/l	13-Oct-04 13:26	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:13	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	0.26	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	7.5	mg/l	13-Oct-04 13:26	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:41	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	22.	mg/l	13-Oct-04 13:26	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	520	mg/l	15-Oct-04 10:22	KD
SW-846 METHOD 6010B Boron, Dissolved	23.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.1	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	60.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP





PDC Laboratories, Inc.  
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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-16  
Client ID: PAGEL/NORTH  
Site: G35S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 08:13

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	51.	mg/l	20-Oct-04 22:49	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:14	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	45.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.087	mg/l	13-Oct-04 13:45	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:42	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	30.	mg/l	20-Oct-04 22:49	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	350	mg/l	15-Oct-04 10:23	KD
SW-846 METHOD 6010B Boron, Dissolved	160	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.2	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	150	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

**PDC Laboratories, Inc.**

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

**Date Received:** 12-Oct-04**Date Reported:** 01-Nov-04**PO #:** Pagel N-GW**PDC Cust. #** : 209324**Login No.** 04102356**Sample No:** 04102356-17  
**Client ID:** PAGEL/NORTH  
**Site:** G35D  
**Locator:** PAGEL PIT  
**Collect Date:** 12-OCT-04 09:00

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	39.	mg/l	13-Oct-04 14:42	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 10:14	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	6.2	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	7.4	mg/l	13-Oct-04 14:42	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:43	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	26.	mg/l	13-Oct-04 14:42	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	480	mg/l	15-Oct-04 10:23	KD
SW-846 METHOD 6010B Boron, Dissolved	60.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.1	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	290	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

**PDC Laboratories, Inc.**

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

**Date Received:** 12-Oct-04**Date Reported:** 01-Nov-04**PO #:** Pagel N-GW**PDC Cust. #** : 209324**Attn:** Mr. Evan Buskohl**Login No.** 04102356**Sample No:** 04102356-18  
**Client ID:** PAGEL/NORTH  
**Site:** G37S  
**Locator:** PAGEL PIT  
**Collect Date:** 12-OCT-04 08:13

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	94.	mg/l	13-Oct-04 15:01	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:26	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	3.4	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	1.0	mg/l	13-Oct-04 15:01	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:44	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	37.	mg/l	13-Oct-04 15:01	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	660	mg/l	15-Oct-04 10:23	KD
SW-846 METHOD 6010B Boron, Dissolved	100	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.2	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	3.7	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-19  
Client ID: PAGEL/NORTH  
Site: G37D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 08:18

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	60.	mg/l	13-Oct-04 15:20	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:27	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	7.1	mg/l	13-Oct-04 15:20	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:47	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	22.	mg/l	13-Oct-04 15:20	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	530	mg/l	15-Oct-04 10:23	KD
SW-846 METHOD 6010B Boron, Dissolved	12.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	12.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.1	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	4.2	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-20  
Client ID: PAGEL/NORTH  
Site: G39S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 09:42

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	100	mg/l	20-Oct-04 23:48	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:28	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	6.0	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	< 0.020	mg/l	13-Oct-04 15:39	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:55	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	24.	mg/l	13-Oct-04 16:36	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	780	mg/l	15-Oct-04 10:24	KD
SW 846 METHOD 6010B Boron, Dissolved	110	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	13.	ug/l	15-Oct-04 10:00	ERS
SW 846 METHOD 6020 Arsenic, Dissolved	1.5	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	610	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-21  
Client ID: PAGEL/NORTH  
Site: G40S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 11:35

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	150	mg/l	21-Oct-04 04:08	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:31	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	32.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.40	mg/l	13-Oct-04 16:54	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:56	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	18.	mg/l	13-Oct-04 16:54	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	820	mg/l	15-Oct-04 10:24	KD
SW-846 METHOD 6010B Boron, Dissolved	130	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.9	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	530	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759  
  
Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324  
  
Login No. 04102356

Sample No: 04102356-22  
Client ID: PAGEL/NORTH  
Site: G41S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 10:52

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	140	mg/l	22-Oct-04 12:31	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:31	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	72.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	< 0.020	mg/l	13-Oct-04 17:13	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:57	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	20.	mg/l	21-Oct-04 04:28	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	670	mg/l	15-Oct-04 10:24	KD
SW-846 METHOD 6010B Boron, Dissolved	390	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	4800	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	30.	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	59.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

**PDC Laboratories, Inc.**

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-23  
Client ID: PAGEL/NORTH  
Site: G41M  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 10:42

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	180	mg/l	21-Oct-04 05:08	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:36	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	72.	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	1.1	mg/l	13-Oct-04 15:16	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	0.0051	mg/l	20-Oct-04 09:00	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	22.	mg/l	21-Oct-04 04:48	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	770	mg/l	15-Oct-04 10:24	KD
SW-846 METHOD 6010B Boron, Dissolved	330	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	250	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	4.2	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	450	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	28.	ug/l	18-Oct-04 14:00	KJP





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(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689



### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-24  
Client ID: PAGEL/NORTH  
Site: G41D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 11:17

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	16.	mg/l	13-Oct-04 16:48	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:37	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	4.6	mg/l	13-Oct-04 16:48	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 13:59	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	22.	mg/l	13-Oct-04 16:48	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	410	mg/l	15-Oct-04 10:24	KD
SW-846 METHOD 6010B Boron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	35.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	14.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102356

Sample No: 04102356-25  
Client ID: PAGEL/NORTH  
Site: G119  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 08:52

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	24.	mg/l	13-Oct-04 17:03	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:38	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	14.	mg/l	13-Oct-04 17:03	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 14:01	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	21.	mg/l	13-Oct-04 17:03	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	450	mg/l	15-Oct-04 10:25	KD
SW-846 METHOD 6010B Boron, Dissolved	11.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759  
  
Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324  
  
Login No. 04102356

Sample No: 04102356-26  
Client ID: PAGEL/NORTH  
Site: SG1  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 11:00

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	32.	mg/l	13-Oct-04 17:18	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:39	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	1.4	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	3.7	mg/l	13-Oct-04 17:18	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 14:02	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	54.	mg/l	13-Oct-04 17:18	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	460	mg/l	15-Oct-04 10:25	KD
SW-846 METHOD 6010B Boron, Dissolved	25.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	43.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.3	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	36.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP



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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759  
  
Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04  
Date Reported: 01-Nov-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324  
  
Login No. 04102356

Sample No: 04102356-27  
Client ID: PAGEL/NORTH  
Site: SG3  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 09:52

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	29.	mg/l	13-Oct-04 17:34	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:39	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	4.2	mg/l	13-Oct-04 17:34	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 14:03	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	54.	mg/l	13-Oct-04 17:34	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	480	mg/l	15-Oct-04 10:25	KD
SW-846 METHOD 6010B Boron, Dissolved	17.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	23.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.2	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	25.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 12-Oct-04

Date Reported: 01-Nov-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102356

Sample No: 04102356-28  
Client ID: PAGEL/NORTH  
Site: SG4  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 08:40

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	32.	mg/l	13-Oct-04 17:49	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	18-Oct-04 10:40	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	0.58	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	3.8	mg/l	13-Oct-04 17:49	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	15-Oct-04 14:04	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	54.	mg/l	13-Oct-04 17:49	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	490	mg/l	15-Oct-04 10:26	KD
SW-846 METHOD 6010B Boron, Dissolved	20.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	26.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	1.1	ug/l	18-Oct-04 14:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Manganese, Dissolved	22.	ug/l	18-Oct-04 14:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 14:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 14:00	KJP

## DATA QUALIFIERS APPLICABLE TO THE "STANDARD QC" PROGRAM

- A** The presence of this analyte was confirmed using a second column but there was a disparity (> 40% RPD) between the two sets of results with no apparent chromatographic anomalies. The lower of the two results was reported.
- B** \_\_\_\_\_ present in the method blank at \_\_\_\_\_.
- C** The batch control sample failed to meet the required acceptance criteria.
- D** Result obtained through analysis of a sample dilution.
- E** Concentration exceeds the instrument calibration range.
- F** Internal standard area failed to meet the required acceptance criteria in duplicate analyses. Results should be interpreted as estimated concentrations.
- G** The Method of Standard Additions (MSA) was used to quantify the concentration.
- H** Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
- J** Estimated value; value between the MDL and the RDL.
- M** Analyte failed to meet the required acceptance criteria for duplicate analysis.
- P** Chemical preservation discrepancy noted at the time of analysis.
- Q** Analyte failed to meet the required acceptance criteria for spike recovery in the Matrix Spike (MS) and Matrix Spike Duplicate (MSD) due to apparent matrix effects
- R** Analyte failed to meet the required acceptance criteria for relative percent difference (RPD) between the Matrix Spike and Matrix Spike Duplicate (MS/MSD).
- S** Surrogate compound diluted below a reliable quantitation level.
- T** Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis, also. Results should be interpreted as estimated concentrations.
- U** Parameter was analyzed for, but not detected above the reporting limit.
- V** Verification standard recovery failed to meet the required acceptance criteria.
- W** Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) beyond the maximum allowable hold time, and re-analyzed. The surrogate recovery was within the required acceptance criteria on this second analysis.
- NA** Not analyzed.
- NR** Not requested.
- X** Miscellaneous; see comments.





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**Report Cover Page**

**Waste Group**  
**5450 Wansford Way, Suite 201B**

**Rockford, IL 61109-1759**

**Date Received: 13-Oct-04**

**Date Reported: 29-Oct-04**

**PO #: Pagel N-GW**

**PDC Cust. # : 209324**

**Attn: Mr. Evan Buskohl**

**Login No. 04102599**

**Copy: Ms. Kim Van Pelt, c/o Andrews, 3535 Mayflower Blvd, Springfield, IL, 62711-9405**

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested.  
This report contains 7 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04102599-1	PAGEL/NORTH	G130	PAGEL PIT
04102599-2	PAGEL/NORTH	G14D	PAGEL PIT
04102599-3	PAGEL/NORTH	G15S	PAGEL PIT
04102599-4	PAGEL/NORTH	G20D	PAGEL PIT
04102599-5	PAGEL/NORTH	G36S	PAGEL PIT
04102599-6	PAGEL/NORTH	G38S	PAGEL PIT
04102599-7	PAGEL/NORTH	R42S	PAGEL PIT

Certified by:

Dorothy W. Rothert, Project Manager

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Endorsement by the Federal or State Government or their agencies is not implied.

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

State of Illinois Certification for Bacteriological Analysis in Drinking Water -Lab Registry No. 17533

Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)

Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)

Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)

UST Certification: Iowa (240)

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04

Date Reported: 29-Oct-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102599

Sample No: 04102599-1  
Client ID: PAGEL/NORTH  
Site: G130  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 14:34

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	29.	mg/l	14-Oct-04 09:02	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	19-Oct-04 10:40	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	12.	mg/l	14-Oct-04 09:02	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 11:03	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	35.	mg/l	14-Oct-04 09:02	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	470	mg/l	15-Oct-04 10:26	KD
SW-846 METHOD 6010B Boron, Dissolved	24.	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	< 10.	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	19-Oct-04 10:00	KJP





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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759  
  
Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04  
Date Reported: 29-Oct-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324  
  
Login No. 04102599

Sample No: 04102599-2  
Client ID: PAGEL/NORTH  
Site: G14D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 10:25

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	55.	mg/l	26-Oct-04 20:15	pli
SM METHOD 4500 CN C.E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	19-Oct-04 10:40	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	3.2	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	< 0.020	mg/l	14-Oct-04 09:17	pli
SM METHOD 5530 B.D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 11:08	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	2.3	mg/l	14-Oct-04 09:17	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	980	mg/l	15-Oct-04 10:27	KD
SW-846 METHOD 6010B Boron, Dissolved	84.	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	32000	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	13.	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	370	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	19-Oct-04 10:00	KJP

**PDC Laboratories, Inc.**

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04

Date Reported: 29-Oct-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102599

Sample No: 04102599-3  
Client ID: PAGEL/NORTH  
Site: G15S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 12:03

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	290	mg/l	26-Oct-04 20:31	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	19-Oct-04 10:41	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	120	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.038	mg/l	14-Oct-04 10:03	pli
SM METHOD 5510 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	26-Oct-04 09:42	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	47.	mg/l	14-Oct-04 10:18	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	940	mg/l	15-Oct-04 10:27	KD
SW-846 METHOD 6010B Boron, Dissolved	460	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	1200	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	2.3	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	420	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	19-Oct-04 10:00	KJP

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

Date Received: 13-Oct-04  
Date Reported: 29-Oct-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl

Login No. 04102599

Sample No: 04102599-4  
Client ID: PAGEL/NORTH  
Site: G20D  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 15:15

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	28.	mg/l	14-Oct-04 10:33	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	19-Oct-04 10:42	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	4.5	mg/l	14-Oct-04 10:33	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	26-Oct-04 09:36	lgjfa
EPA METHOD 300.0 rev 2.1 Sulfate, Dissolved	24.	mg/l	14-Oct-04 10:33	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	390	mg/l	15-Oct-04 13:47	KD
SW-846 METHOD 6010B Boron, Dissolved	27.	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	12.	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	11.	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	29.	ug/l	19-Oct-04 10:00	KJP



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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B  
Rockford, IL 61109-1759  
Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04  
Date Reported: 29-Oct-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324  
Login No. 04102599

Sample No: 04102599-5  
Client ID: PAGEL/NORTH  
Site: G36S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 14:17

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	33.	mg/l	14-Oct-04 10:49	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	19-Oct-04 10:43	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	12.	mg/l	14-Oct-04 10:49	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	26-Oct-04 09:44	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	28.	mg/l	14-Oct-04 10:49	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	420	mg/l	15-Oct-04 13:48	KD
SW-846 METHOD 6010B Boron, Dissolved	28.	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	< 10.	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	19-Oct-04 10:00	KJP

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**Laboratory Results**

Waste Group  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759  
  
Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04  
Date Reported: 29-Oct-04  
PO #: Pagel N-GW  
PDC Cust. # : 209324  
  
Login No. 04102599

Sample No: 04102599-6  
Client ID: PAGEL/NORTH  
Site: G38S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 14:52

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	300	mg/l	27-Oct-04 16:52	pli
SM METHOD 4500 CN C E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	19-Oct-04 10:44	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	84.	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.75	mg/l	14-Oct-04 11:04	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	26-Oct-04 09:49	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	18.	mg/l	26-Oct-04 22:02	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	1000	mg/l	15-Oct-04 13:48	KD
SW-846 METHOD 6010B Boron, Dissolved	440	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	1400	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	3.3	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	740	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	19-Oct-04 10:00	KJP



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### Laboratory Results

Waste Group  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04

Date Reported: 29-Oct-04

PO #: Pagel N-GW

PDC Cust. # : 209324

Login No. 04102599

Sample No: 04102599-7  
Client ID: PAGEL/NORTH  
Site: R42S  
Locator: PAGEL PIT  
Collect Date: 12-OCT-04 14:00

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	110	mg/l	27-Oct-04 17:07	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	22-Oct-04 08:11	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	1.4	mg/l	25-Oct-04 09:51	TCH
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	0.035	mg/l	14-Oct-04 11:19	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	26-Oct-04 09:50	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	7.7	mg/l	14-Oct-04 11:19	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	960	mg/l	15-Oct-04 13:48	KD
SW-846 METHOD 6010B Boron, Dissolved	64.	ug/l	18-Oct-04 08:45	ERS
Iron, Dissolved	40000	ug/l	18-Oct-04 08:45	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	44.	ug/l	19-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Manganese, Dissolved	560	ug/l	19-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	19-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	19-Oct-04 10:00	KJP



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**Report Cover Page**

**Waste Group**  
**5450 Wansford Way, Suite 201B**

**Rockford, IL 61109-1759**

**Attn: Mr. Evan Buskohl**

**Date Received: 13-Oct-04**

**Date Reported: 28-Oct-04**

**PO #: Pagel N-LCH**

**PDC Cust. # : 209324**

**Login No. 04102595**

This report includes information regarding the following described samples  
as received by the laboratory and is only valid for the parameters tested.

This report contains 2 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04102595-1	PAGEL/NORTH/LCH	L315	PAGEL PIT

Certified by:

Dorothy W. Rothert, Project Manager

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Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)

Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)

UST Certification: Iowa (240)

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### Laboratory Results

**Waste Group**  
5450 Wansford Way, Suite 201B  
  
Rockford, IL 61109-1759

**Date Received:** 13-Oct-04  
**Date Reported:** 28-Oct-04  
**PO #:** Pagel N-LCH  
**PDC Cust. # :** 209324

**Attn:** Mr. Evan Buskohl

**Login No.** 04102595

**Sample No:** 04102595-1  
**Client ID:** PAGEL/NORTH/LCH  
**Site:** L315  
**Locator:** PAGEL PIT  
**Collect Date:** 13-OCT-04 09:43

Parameter	Result	Units	Date	By
SM METHOD 5210 B Biochemical Oxygen Demand	700	mg/l	14-Oct-04 12:42	JK/JAM
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total P	0.0071	mg/l	19-Oct-04 10:39	lgjfa
SM METHOD 5220 D Chemical Oxygen Demand	8700	mg/l	20-Oct-04 10:35	JAM
SM METHOD 3500 Cr D / SW-846 METHOD 7196A Chromium, Hexavalent <Q	5.0	mg/l	14-Oct-04 09:35	JK
SM METHOD 4500 F C Fluoride	1.3	mg/l	15-Oct-04 07:30	ESH
EPA METHOD 1664 rev. February 1999 Hexane Ext. Material (HEM) by SPE	10.	mg/l	20-Oct-04 16:00	JS
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N	3900	mg/l	25-Oct-04 12:55	lgtara
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	1.6	mg/l	26-Oct-04 11:30	lgjfa
SM METHOD 2540 C Solids, Total Dissolved	18000	mg/l	14-Oct-04 07:28	KD
SM METHOD 2540 D Solids, Total Suspended	52.	mg/l	14-Oct-04 13:36	KJB
SW-846 METHOD 3015 Sample Preparation			14-Oct-04 09:30	NJS
SW-846 METHOD 6010B Iron	4.6	mg/l	18-Oct-04 08:35	ERS
SW-846 METHOD 6020 Silver <	0.0050	mg/l	14-Oct-04 11:00	KJP
Arsenic	0.91	mg/l	14-Oct-04 11:00	KJP
Barium	0.68	mg/l	14-Oct-04 11:00	KJP
Cadmium <	0.0010	mg/l	14-Oct-04 11:00	KJP
Chromium	0.76	mg/l	14-Oct-04 11:00	KJP
Copper	0.037	mg/l	14-Oct-04 11:00	KJP
Mercury <	0.00020	mg/l	15-Oct-04 09:00	KJP
Manganese	0.047	mg/l	14-Oct-04 11:00	KJP



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**Laboratory Results****Waste Group**

5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 13-Oct-04

Date Reported: 28-Oct-04

PO #: Pagel N-LCH

PDC Cust. # : 209324

Login No. 04102595

Sample No: 04102595-1  
Client ID: PAGEL/NORTH/LCH  
Site: L315  
Locator: PAGEL PIT  
Collect Date: 13-OCT-04 09:43

Parameter	Result	Units	Date	By
Nickel	0.61	mg/l	14-Oct-04 11:00	KJP
Phosphorus	24.	mg/l	14-Oct-04 14:00	KJP
Lead	0.0050	mg/l	15-Oct-04 09:00	KJP
Zinc	0.073	mg/l	14-Oct-04 11:00	KJP
SM METHOD 9222 D				
Fecal Coliform	< 10	cfu/100 ml	13-Oct-04 17:10	BDL

## DATA QUALIFIERS APPLICABLE TO THE "STANDARD QC" PROGRAM

- A** The presence of this analyte was confirmed using a second column but there was a disparity ( $> 40\%$  RPD) between the two sets of results with no apparent chromatographic anomalies. The lower of the two results was reported.
- B** \_\_\_\_\_ present in the method blank at \_\_\_\_\_.
- C** The batch control sample failed to meet the required acceptance criteria.
- D** Result obtained through analysis of a sample dilution.
- E** Concentration exceeds the instrument calibration range.
- F** Internal standard area failed to meet the required acceptance criteria in duplicate analyses. Results should be interpreted as estimated concentrations.
- G** The Method of Standard Additions (MSA) was used to quantify the concentration.
- H** Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.
- J** Estimated value; value between the MDL and the RDL.
- M** Analyte failed to meet the required acceptance criteria for duplicate analysis.
- P** Chemical preservation discrepancy noted at the time of analysis.
- Q** Analyte failed to meet the required acceptance criteria for spike recovery in the Matrix Spike (MS) and Matrix Spike Duplicate (MSD) due to apparent matrix effects.
- R** Analyte failed to meet the required acceptance criteria for relative percent difference (RPD) between the Matrix Spike and Matrix Spike Duplicate (MS/MSD).
- S** Surrogate compound diluted below a reliable quantitation level.
- T** Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) and re-analyzed, and the surrogate recovery was outside of the required acceptance criteria on the second analysis, also. Results should be interpreted as estimated concentrations.
- U** Parameter was analyzed for, but not detected above the reporting limit.
- V** Verification standard recovery failed to meet the required acceptance criteria.
- W** Surrogate recovery failed to meet the required acceptance criteria in initial analysis. Sample was re-extracted (if applicable) beyond the maximum allowable hold time, and re-analyzed. The surrogate recovery was within the required acceptance criteria on this second analysis.
- NA** Not analyzed.
- NR** Not requested.
- X** Miscellaneous; see comments.





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**Report Cover Page**

**Waste Group**  
**5450 Wansford Way, Suite 201B**  
**Rockford, IL 61109-1759**

**Date Received: 12-Oct-04**  
**Date Reported: 27-Oct-04**  
**PO #: Pagel N-GW**  
**PDC Cust. # : 209324**

**Attn: Mr. Evan Buskohl**

**Login No. 04102355**

**Copy: Ms. Kim Van Pelt, c/o Andrews, 3535 Mayflower Blvd, Springfield, IL, 62711-9405**

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested.

This report contains 2 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
04102355-1	PAGEL/NORTH	FIELD BLANK #1	PAGEL PIT
04102355-2	PAGEL/NORTH	EQUIPMENT BLANK	PAGEL PIT

Certified by:

Dorothy W. Rothert, Project Manager

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State of Illinois Certification for Bacteriological Analysis in Drinking Water -Lab Registry No. 17533

Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)

Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998294430)

Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)

UST Certification: Iowa (240)

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**Laboratory Results****Waste Group**  
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

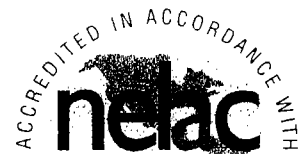
Attn: Mr. Evan Buskohl

**Date Received:** 12-Oct-04**Date Reported:** 27-Oct-04**PO #:** Pagel N-GW**PDC Cust. # :** 209324**Login No.** 04102355**Sample No:** 04102355-1  
**Client ID:** PAGEL/NORTH  
**Site:** FIELD BLANK #1  
**Locator:** PAGEL PIT  
**Collect Date:** 12-OCT-04 11:45

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	< 1.0	mg/l	13-Oct-04 18:04	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 09:48	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	< 0.020	mg/l	13-Oct-04 18:04	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 08:41	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	< 1.0	mg/l	13-Oct-04 18:04	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	< 17.	mg/l	14-Oct-04 07:28	KD
SW-846 METHOD 6010B Boron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 10:00	KJP



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### Laboratory Results

**Waste Group**  
5450 Wansford Way, Suite 201B  
Rockford, IL 61109-1759

**Date Received:** 12-Oct-04  
**Date Reported:** 27-Oct-04  
**PO #:** Pagel N-GW  
**PDC Cust. # :** 209324

**Attn:** Mr. Evan Buskohl

**Login No.** 04102355

**Sample No:** 04102355-2  
**Client ID:** PAGEL/NORTH  
**Site:** EQUIPMENT BLANK  
**Locator:** PAGEL PIT  
**Collect Date:** 12-OCT-04 12:00

Parameter	Result	Units	Date	By
EPA METHOD 300.0 rev 2.1 Chloride, Dissolved	< 1.0	mg/l	13-Oct-04 18:19	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012 Cyanide, Total	< 0.0050	mg/l	14-Oct-04 09:55	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate) Nitrogen, Ammonia as N, Diss.	< 0.090	mg/l	22-Oct-04 11:07	JLC
EPA METHOD 300.0 rev 2.1 Nitrate as N, Diss.	< 0.020	mg/l	13-Oct-04 18:19	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2 Phenolics	< 0.0050	mg/l	20-Oct-04 11:30	lgjfa
EPA METHOD 300.0 rev. 2.1 Sulfate, Dissolved	< 1.0	mg/l	13-Oct-04 18:19	pli
SM METHOD 2540 C Solids, Total Dissolved, Filtered	< 17.	mg/l	14-Oct-04 07:28	KD
SW-846 METHOD 6010B Boron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
Iron, Dissolved	< 10.	ug/l	15-Oct-04 10:00	ERS
SW-846 METHOD 6020 Arsenic, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Cadmium, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Manganese, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Lead, Dissolved	< 1.0	ug/l	18-Oct-04 10:00	KJP
Zinc, Dissolved	< 6.0	ug/l	18-Oct-04 10:00	KJP

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit W  
 Monitoring Well/Point G03m Date: 10/12/4 Start Time: 11:00  
 Field Personnel: JMB Finish Time: 11:10  
 Well Depth (Bottom) From MP: 72.40 ft  
 Depth to Water From MP (Prepurgings) 42.99 ft Well Water Volume: \_\_\_\_\_ gal  
 Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
 (Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)  
 Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra X Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)  
 Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra X Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)  
 Sample Appearance: Odor: None Color: Clear Turbidity: Trace  
 Weather: Sunny 60°F  
 Environment: Dry Ground / Next to hard road  
 Remarks/Well Condition: \_\_\_\_\_

Time Collected Parameter (5)  
 Unfiltered:  
 \_\_\_\_\_ Y/N VOA (40mL)  
 \_\_\_\_\_ Y/N TOX (250 mL)  
11:15 Y/N TOC (40 mL)  
 \_\_\_\_\_ Y/N Organics (1/2 gal)  
 \_\_\_\_\_ Y/N Phenol (250 mL)  
 \_\_\_\_\_ Y/N CN- (250 mL)  
 \_\_\_\_\_ Y/N Grease & Oil (1 L)  
 \_\_\_\_\_ Y/N Metals (Total) (500 mL)  
 \_\_\_\_\_ Y/N General (500 mL)  
 \_\_\_\_\_ Y/N Ammonia (500 mL)  
 \_\_\_\_\_ Y/N \_\_\_\_\_  
 \_\_\_\_\_ Y/N \_\_\_\_\_

Filtered: Field Filtered Inorganics Y/N  
 \_\_\_\_\_ Y/N Metals (500 mL)  
 \_\_\_\_\_ Y/N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)  
 \_\_\_\_\_ Y/N General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?	<input checked="" type="checkbox"/>	
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?	<input checked="" type="checkbox"/>	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>702</u>	<u>800</u>	<u>59.7</u>
2nd Vol			<u>729</u>	<u>774</u>	<u>59.7</u>
3rd Vol			<u>730</u>	<u>775</u>	<u>58.5</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit n  
 Monitoring Well/Point R035 Date: 10/12/4 Start Time: 1042  
 Field Personnel: JMB Finish Time: 1053  
 Well Depth (Bottom) From MP: 52.63 ft  
 Depth to Water From MP (Prepurgings) 44.32 ft Well Water Volume: \_\_\_\_\_ gal  
 Water Column Length: \_\_\_\_\_ ft Water Evacuated: Low gal  
 (Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)  
 Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra X Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)  
 Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra X Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)  
 Sample Appearance: Odor: None Color: Clear Turbidity: Trace  
 Weather: Sunny 65°F  
 Environment: next to main hotel road  
 Remarks/Well Condition: \_\_\_\_\_

Time Collected Parameter (5)  
 Unfiltered:  
 \_\_\_\_\_ Y / N VOA (40mL)  
 \_\_\_\_\_ Y / N TOX (250 mL)  
 \_\_\_\_\_ Y / N TOC (40 mL)  
 \_\_\_\_\_ Y / N Organics (1/2 gal)  
 \_\_\_\_\_ Y / N Phenol (250 mL)  
 \_\_\_\_\_ Y / N CN- (250 mL)  
 \_\_\_\_\_ Y / N Grease & Oil (1 L)  
 \_\_\_\_\_ Y / N Metals (Total) (500 mL)  
 \_\_\_\_\_ Y / N General (500 mL)  
1057 Y / N Ammonia (500 mL)  
 \_\_\_\_\_ Y / N \_\_\_\_\_  
 \_\_\_\_\_ Y / N \_\_\_\_\_  
 Filtered: Field Filtered Inorganics Y / N  
 \_\_\_\_\_ Y / N Metals (500 mL)  
 \_\_\_\_\_ Y / N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)  
 \_\_\_\_\_ Y / N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		X	
2. Does well have protective posts?		X	
3. Is the protective casing locked and does key work?		X	
4. Is the well free of damage and in good shape?		✓	
5. Does well cap fit securely?		✓	
6. Is the well cap vented?		X	
7. Does the area around the well appear clean?		X	
8. Is the casing secure?		X	
9. Is surface seal void of erosion around/under the base?		X	
10. Is the surface seal free of cracks?		X	
11. Is the surface seal sloped?		✓	
12. Is the locking cap free of rust?			X
13. Any obstruction or kinks in the well?			X
14. Does bladder pump & appurtenances work properly?		X	
15. Is there any evidence of natural contamination?			X
16. Any presence of water in annular space?			X
17. Has well or protective casing been recently painted?			X
18. Any grease/unnatural substances on the top of well?			X
19. Are there weep holes at the bottom of casing?		X	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.61	960	61
2nd Vol			6.93	950	61
3rd Vol			7.00	950	59

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [Signature]

PDC Laboratories, Inc. P.O. Box 9071 Peoria, IL 61612-9071 Phone: 309-692-9688 Fax: 309-692-9689

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

Pagel Pit

Monitoring Well/Point

09D

Date:

10/12/4

Start Time:

950

Field Personnel:

DMB

Finish Time:

1000

Well Depth (Bottom) From MP:

81.55 ft

Depth to Water From MP (Prepurgings)

43.40 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: Teflon Bailor

Waterra

Bladder

Electric Pump

Other (specify)

Sampled with: Teflon Bailor

Waterra

Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor:

None

Color:

Clear

Turbidity:

Low

Weather:

Partly Sunny 60° F

Environment:

71000 Bed

Remarks/Well Condition:

Time Collected	Parameter
Unfiltered:	
Y / N	VOA (40mL)
Y / N	TOX (250 mL)
Y / N	TOC (40 mL)
1002 Y / N	Organics (1/2 gal)
Y / N	Phenol (250 mL)
Y / N	CN- (250 mL)
Y / N	Grease & Oil (1 L)
Y / N	Metals (Total) (500 mL)
Y / N	General (500 mL)
Y / N	Ammonia (500 mL)
Y / N	
Y / N	

Filtered:	Field Filtered Inorganics Y / N
Y / N	Metals (500 mL)
Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?	<input checked="" type="checkbox"/>	
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?	<input checked="" type="checkbox"/>	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			668	1480	58.3
2nd Vol			669	1470	58.2
3rd Vol			611	1468	58.1

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

PDC Laboratories, Inc.

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

Pagel Pit

Monitoring Well/Point

09m

Date:

10/12

Start Time:

930

Field Personnel:

J.B.

Finish Time:

940

Well Depth (Bottom) From MP:

50.40 ft

Depth to Water From MP (Prepurgings)

43.15 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: Teflon Bailer

Waterra

X

Bladder

Electric Pump

Other (specify)

Sampled with: Teflon Bailer

Waterra

X

Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor:

None

Color:

Clear

Turbidity:

Low

Weather:

Partly Sunny

65°F

Environment:

Flowing Bore

Remarks/Well Condition:

Time	Collected	Parameters
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
945	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?	X	X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?	X	X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.78	1755	58.3
2nd Vol			6.79	1760	58
3rd Vol			6.81	17.65	58

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

Pagel Pit NORTH

Monitoring Well/Point

G119

Date:

10-12-04

Start Time:

Field Personnel:

JRM

Finish Time:

8:52

Well Depth (Bottom) From MP:

22.57 ft

Depth to Water From MP (Prepurgings)

14.10 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: Teflon Bailor

Waterra

☒ Bladder

Electric Pump

Other (specify)

Sampled with: Teflon Bailor

Waterra

☒ Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor:

None

Color:

None

Turbidity:

SLIGHT

Weather:

Cloudy 55°

Environment:

WOODS NEXT TO FARM FIELD

Remarks/Well Condition:

PASSIVE SAMPLE

Time	Collected	Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	<input checked="" type="checkbox"/> N	Phenol (250 mL)
	<input checked="" type="checkbox"/> N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N

☒ N

Metals (500 mL)

☒ NAmmonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)☒ N

General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.25	716	12.4
2nd Vol					
3rd Vol					

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?		<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?	<input checked="" type="checkbox"/>	
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?		<input checked="" type="checkbox"/>

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature:

PDC Laboratories, Inc.

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

**Page Pit**

Monitoring Well/Point

G-130

Date:

10/12/4

Start Time:

1420

Field Personnel:

DNB

Finish Time:

1430

Well Depth (Bottom) From MP:

1610 ft

Depth to Water From MP (Prepurgings)

7.29 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

Low gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:

☐ Teflon Bailer☐ Waterra☒ Bladder☐ Electric Pump☐ Other (specify)

Sampled with:

☐ Teflon Bailer☐ Waterra☒ Bladder☐ Electric Pump☐ Other (specify)

Sample Appearance: Odor:

None

Color:

Clear

Turbidity:

Low

Weather:

Sunny Cool

Environment:

Dry ground water

Remarks/Well Condition:

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
<u>14:34</u>	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Does well have protective posts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the well cap vented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Is the casing secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Is the locking cap free of rust?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Is there any evidence of natural contamination?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Any presence of water in annular space?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.34</u>	<u>710</u>	<u>54.1</u>
2nd Vol			<u>7.40</u>	<u>710</u>	<u>54.1</u>
3rd Vol			<u>7.40</u>	<u>710</u>	<u>54.1</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

DNB

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

Pagel Pit

Monitoring Well/Point

G-13D

Date:

10/12

Start Time:

9:05

Field Personnel:

CMB

Finish Time:

9:15

Well Depth (Bottom) From MP:

71.91 ft

Depth to Water From MP (Prepurgings)

41.05 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

~~25~~ gal

Low Flow

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:

Teflon Bailor

Waterra

Y

Bladder

Electric Pump

Other (specify)

Sampled with:

Teflon Bailor

Waterra

1

Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor:

None

Color:

Clear

Turbidity:

Trace

Weather:

Cloudy 45°F

Environment:

Damp Ground

Remarks/Well Condition:

Time	Collected	Parameter
Unfiltered:		
	Y/N	VOA (40mL)
	Y/N	TOX (250 mL)
	Y/N	TOC (40 mL)
9:20	Y/N	Organics (1/2 gal)
	Y/N	Phenol (250 mL)
	Y/N	CN- (250 mL)
	Y/N	Grease & Oil (1 L)
	Y/N	Metals (Total) (500 mL)
	Y/N	General (500 mL)
	Y/N	Ammonia (500 mL)
	Y/N	
	Y/N	

Filtered:

Field Filtered Inorganics Y / N

Y/N

Metals (500 mL)

Y/N

Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

Y/N

General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.65	1500	53.8
2nd Vol			6.67	1475	53
3rd Vol			6.70	1485	53.2

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		Y
2. Does well have protective posts?		Y
3. Is the protective casing locked and does key work?	Y	
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	Y	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		Y
14. Does bladder pump & appurtenances work properly?	Y	
15. Is there any evidence of natural contamination?		Y
16. Any presence of water in annular space?		Y
17. Has well or protective casing been recently painted?		Y
18. Any grease/unnatural substances on the top of well?		Y
19. Are there weep holes at the bottom of casing?	Y	

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit

Monitoring Well/Point C-135 Date: 10/12/11 Start Time: 8:00

Field Personnel: DMB Finish Time: 9:00

Well Depth (Bottom) From MP: 45'89" ft

Depth to Water From MP (Prepurgings) 41.15 ft Well Water Volume: gal

Water Column Length:            ft Water Evacuated: Low Flow Passive

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:            Teflon Bailor            Waterra ✓ Bladder            Electric Pump            Other (specify)

Sampled with:            Teflon Bailor            Waterra ✓ Bladder            Electric Pump            Other (specify)

Sample Appearance: Odor: None Color: C Turbidity:           

Weather: Cloudy 50° F

Environment: Damp Ground

Remarks/Well Condition:           

Time Collected Parameter (10)

Unfiltered:

9:00 Y/N VOA (40mL) 3

           Y/N TOX (250 mL)

           Y/N TOC (40 mL)

           Y/N Organics (1/2 gal)

           Y/N Phenol (250 mL)

           Y/N CN- (250 mL)

           Y/N Grease & Oil (1 L)

           Y/N Metals (Total) (500 mL)

           Y/N General (500 mL)

           Y/N Ammonia (500 mL)

           Y/N           

           Y/N           

Filtered: Field Filtered Inorganics Y / N

           Y/N Metals (500 mL)

           Y/N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

           Y/N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?			✓
2. Does well have protective posts?			✓
3. Is the protective casing locked and does key work?	✓		
4. Is the well free of damage and in good shape?	✓		
5. Does well cap fit securely?	✓		
6. Is the well cap vented?	✓		
7. Does the area around the well appear clean?	✓		
8. Is the casing secure?	✓		
9. Is surface seal void of erosion around/under the base?	✓		
10. Is the surface seal free of cracks?	✓		
11. Is the surface seal sloped?	✓		
12. Is the locking cap free of rust?			✓
13. Any obstruction or kinks in the well?			✓
14. Does bladder pump & appurtenances work properly?	✓		
15. Is there any evidence of natural contamination?			✓
16. Any presence of water in annular space?			✓
17. Has well or protective casing been recently painted?			✓
18. Any grease/unnatural substances on the top of well?			✓
19. Are there weep holes at the bottom of casing?	✓		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.00	1315	50.4
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH 4 901	4.00	4	4.00
	7.00	7	7.00
	10.00	10.01	10.00
Spec Con	1000	1000	1000

Sampler's Signature: DMB

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

**Page Pit**

Monitoring Well/Point

14D

Date:

10/12/4

Start Time:

10:10

Field Personnel:

DNB

Finish Time:

10:22

Well Depth (Bottom) From MP:

4791 ft

Depth to Water From MP (Prepurgings)

4235 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

Low 7 gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:        Teflon Bailer       WaterraX Bladder       Electric Pump       Other (specify)Sampled with:        Teflon Bailer       WaterraY Bladder       Electric Pump       Other (specify)Sample Appearance: Odor: NoneColor: Clear

Turbidity:

Trace

Weather:

Partly Sunny 60°F

Environment:

Dry Sunny

Remarks/Well Condition:

no hole

Time Collected	Parameter
Unfiltered:	
Y / N	VOA (40mL)
Y / N	TOX (250 mL)
Y / N	TOC (40 mL)
Y / N	Organics (1/2 gal)
Y / N	Phenol (250 mL)
Y / N	CN- (250 mL)
Y / N	Grease & Oil (1 L)
Y / N	Metals (Total) (500 mL)
Y / N	General (500 mL)
Y / N	Ammonia (500 mL)
Y / N	
Y / N	

Filtered:	Field Filtered Inorganics Y / N
Y / N	Metals (500 mL)
Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.60	1405	57.7
2nd Vol			6.63	1380	57.6
3rd Vol			7.09	1410	56.8

905 1400 86.0

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

DNB

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

**Page Pit**

Monitoring Well/Point

G-155

Date:

10/12/4

Start Time:

1150

Field Personnel:

JMB

Finish Time:

1200

Well Depth (Bottom) From MP:

47.55 ft

Depth to Water From MP (Prepurgings)

39.32 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: Teflon Bailor

Waterra

X

Bladder

Electric Pump

Other (specify)

Sampled with: Teflon Bailor

Waterra

X

Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor: none

Color: Clear

Turbidity: trace

Weather:

Sunny 60°F Wind S 5-10 mph

Environment:

Remarks/Well Condition:

Rechecked Calibration of meter

Time Collected	Parameter
Unfiltered:	
Y/N	VOA (40mL)
Y/N	TOX (250 mL)
Y/N	TOC (40 mL)
Y/N	Organics (1/2 gal)
Y/N	Phenol (250 mL)
Y/N	CN- (250 mL)
Y/N	Grease & Oil (1 L)
Y/N	Metals (Total) (500 mL)
1203 Y/N	General (500 mL)
Y/N	Ammonia (500 mL)
Y/N	
Y/N	

Filtered:	Field Filtered Inorganics Y/N
Y/N	Metals (500 mL)
Y/N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y/N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.71	3846	56.8
2nd Vol			7.48	4230	56.8
3rd Vol			7.47	4230	56.8

	Initial	Std	Read	Adjust
pH		4.00	4	4.00
		7.00	7	7.00
		10.00	10	10.00
Spec Con		1000	1000	1000

Sampler's Signature:

JMB

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTHMonitoring Well/Point G 16D Date: 10-12-04Start Time: 7:20Field Personnel: R. ZinslerFinish Time: 7:32Well Depth (Bottom) From MP: 96.49 ftDepth to Water From MP (Prepurgings) 6.33 ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sample Appearance: Odor: No Color: Clear Turbidity: SlightWeather: PART. SUN 55°F Winds 5 mph ESEEnvironment: TALL WEEDS

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:	Field Filtered Inorganics Y / N
	Y / N Metals (500 mL)
	Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.59	520	13°
2nd Vol			7.56	520	13°
3rd Vol			7.56	470	12°

7.56 450 12°

Sampler's Signature: \_\_\_\_\_

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Does well have protective posts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the well cap vented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Is the casing secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is surface seal void of erosion around/under the base?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Is the surface seal free of cracks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Is the surface seal sloped?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Is the locking cap free of rust?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Is there any evidence of natural contamination?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Any presence of water in annular space?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000



## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTH

Monitoring Well/Point G16M Date: 10-12-04 Start Time: 7:34

Field Personnel: R. ZINSER Finish Time: 7:50

Well Depth (Bottom) From MP: 45.19 ft

Depth to Water From MP (Prepurgings) 6.95 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: slight

Weather: Part. Sun. 65°F Winds 5mph EAST

Environment: TALL WEEDS

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N

Metals (500 mL)

Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?			<input checked="" type="checkbox"/>
10. Is the surface seal free of cracks?			<input checked="" type="checkbox"/>
11. Is the surface seal sloped?			<input checked="" type="checkbox"/>
12. Is the locking cap free of rust?			<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.16	630	14°C
2nd Vol			7.13	590	13°C
3rd Vol			7.10	630	13°C

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: \_\_\_\_\_

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH

Monitoring Well/Point G175 Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JTM Finish Time: 10:10

Well Depth (Bottom) From MP: 25.90 ft

Depth to Water From MP (Prepurgings) 16.72 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: SWEET Color: TAN Turbidity: SLIGHT

Weather: P Cloudy 55°

Environment: WOODS NEXT TO FARM FIELD

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	5	
	Y/N	VOA (40mL)
	Y/N	TOX (250 mL)
	Y/N	TOC (40 mL)
	Y/N	Organics (1/2 gal)
	<input checked="" type="checkbox"/> Y/N	Phenol (250 mL)
	<input checked="" type="checkbox"/> Y/N	CN- (250 mL)
	Y/N	Grease & Oil (1 L)
	Y/N	Metals (Total) (500 mL)
	Y/N	General (500 mL)
	Y/N	Ammonia (500 mL)
	Y/N	
	Y/N	

Filtered:

	<input checked="" type="checkbox"/> Y/N	Field Filtered Inorganics
	<input checked="" type="checkbox"/> Y/N	Metals (500 mL)
	<input checked="" type="checkbox"/> Y/N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	<input checked="" type="checkbox"/> Y/N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.39	833	12.2
2nd Vol			7.39	831	12
3rd Vol			7.39	831	12

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?		<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?		<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>	
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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# GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH  
 Monitoring Well/Point G18D Date: 10-12-04 Start Time: \_\_\_\_\_  
 Field Personnel: 5mm Finish Time: 9:23  
 Well Depth (Bottom) From MP: 45.20 ft  
 Depth to Water From MP (Prepurgings) 11.44 ft Well Water Volume: \_\_\_\_\_ gal  
 Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
 (Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)  
 Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify) \_\_\_\_\_  
 Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify) \_\_\_\_\_  
 Sample Appearance: Odor: None Color: None Turbidity: 5.16 NTU  
 Weather: P Cloudy 55°  
 Environment: TALL WEED / ROCK  
 Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	<u>5</u>	
	Y/N	VOA (40mL)
	Y/N	TOX (250 mL)
	Y/N	TOC (40 mL)
	Y/N	Organics (1/2 gal)
	Y/N	Phenol (250 mL)
	Y/N	CN- (250 mL)
	Y/N	Grease & Oil (1 L)
	Y/N	Metals (Total) (500 mL)
	Y/N	General (500 mL)
	Y/N	Ammonia (500 mL)
	Y/N	
	Y/N	

Filtered:		Field Filtered Inorganics <u>Y/N</u>
	Y/N	Metals (500 mL)
	Y/N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y/N	General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?			
4. Is the well free of damage and in good shape?			
5. Does well cap fit securely?			
6. Is the well cap vented?			
7. Does the area around the well appear clean?			
8. Is the casing secure?			
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?			
12. Is the locking cap free of rust?			
13. Any obstruction or kinks in the well?			
14. Does bladder pump & appurtenances work properly?			
15. Is there any evidence of natural contamination?			
16. Any presence of water in annular space?			
17. Has well or protective casing been recently painted?			
18. Any grease/unnatural substances on the top of well?			
19. Are there weep holes at the bottom of casing?			

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.16</u>	<u>705</u>	<u>11.8</u>
2nd Vol			<u>7.17</u>	<u>699</u>	<u>11.7</u>
3rd Vol			<u>7.16</u>	<u>697</u>	<u>11.5</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: \_\_\_\_\_

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

Pagel Pit NORTH

Monitoring Well/Point

G18S

Date:

10-12-04

Start Time:

Field Personnel:

JTM

Finish Time:

9:15

Well Depth (Bottom) From MP:

17.22 ft

Depth to Water From MP (Prepurgings)

11.83 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:

☒

Teflon Bailor

☐

Waterra

☐

Bladder

☐

Electric Pump

☐

Other (specify)

Sampled with:

☒

Teflon Bailor

☐

Waterra

☐

Bladder

☐

Electric Pump

☐

Other (specify)

Sample Appearance: Odor:

NONE

Color:

BROWN

Turbidity:

MODERATE

Weather:

P Cloudy 55°

Environment:

TALL WEED / ROCK

Remarks/Well Condition:

FORMATION WATER

Time	Collected	Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Does well have protective posts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the well cap vented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Is the casing secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is surface seal void of erosion around/under the base?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is the surface seal free of cracks?	<input type="checkbox"/>	<input type="checkbox"/>
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Is the locking cap free of rust?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Any obstruction or kinks in the well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Is there any evidence of natural contamination?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Any presence of water in annular space?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.90	842	13.7
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

PDC Laboratories, Inc.

P.O. Box 9071

Peoria, IL

61612-9071

Phone: 309-692-9688

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

**Page Pit**

Monitoring Well/Point

20D

Date:

10/12/4

Start Time:

15:00

Field Personnel:

DWB

Finish Time:

1512

Well Depth (Bottom) From MP:

130.01 ft

Depth to Water From MP (Prepurgings)

39.60 ft

Well Water Volume:

\_\_\_\_\_ gal

Water Column Length:

\_\_\_\_\_ ft

Water Evacuated:

\_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor

\_\_\_\_\_ Waterra

☒ Bladder

\_\_\_\_\_ Electric Pump

\_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor

\_\_\_\_\_ Waterra

☒ Bladder

\_\_\_\_\_ Electric Pump

\_\_\_\_\_ Other (specify)

Sample Appearance: Odor: NoneColor: ClearTurbidity: Low

Weather:

Sunny 60°F

Environment:

Dry ground / Green

Remarks/Well Condition:

Time Collected	Parameter
Unfiltered:	
Y / N	VOA (40mL)
Y / N	TOX (250 mL)
Y / N	TOC (40 mL)
Y / N	Organics (1/2 gal)
Y / N	Phenol (250 mL)
Y / N	CN- (250 mL)
Y / N	Grease & Oil (1 L)
Y / N	Metals (Total) (500 mL)
Y / N	General (500 mL)
Y / N	Ammonia (500 mL)
Y / N	
Y / N	

Filtered:	Field Filtered Inorganics Y / N
Y / N	Metals (500 mL)
Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?		<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?	<input checked="" type="checkbox"/>	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.25</u>	<u>720</u>	<u>53.1</u>
2nd Vol			<u>7.57</u>	<u>660</u>	<u>53.1</u>
3rd Vol			<u>7.59</u>	<u>660</u>	<u>53.1</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: DWB

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTHMonitoring Well/Point G-33DDate: 10-12-04Start Time: 9:10Field Personnel: R. ZINSERFinish Time: 9:25Well Depth (Bottom) From MP: 49.38 ftDepth to Water From MP (Prepurgings) 10.10 ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sample Appearance: Odor: No Color: Clear Turbidity: SlightWeather: SUN 60F Winds SmpH EASTEnvironment: WOODED

Remarks/Well Condition: \_\_\_\_\_

Time Collected	Parameter
Unfiltered:	
Y/N	VOA (40mL)
Y/N	TOX (250 mL)
Y/N	TOC (40 mL)
Y/N	Organics (1/2 gal)
Y/N	Phenol (250 mL)
Y/N	CN- (250 mL)
Y/N	Grease & Oil (1 L)
Y/N	Metals (Total) (500 mL)
Y/N	General (500 mL)
Y/N	Ammonia (500 mL)
Y/N	
Y/N	

Filtered:	Field Filtered Inorganics Y / N
Y/N	Metals (500 mL)
Y/N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y/N	General (500 mL)

Well Integrity Form		Yes	No
1.	Does well have identification sign?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.	Does well have protective posts?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.	Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Does well cap fit securely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	Is the well cap vented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Does the area around the well appear clean?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.	Is the casing secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9.	Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10.	Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11.	Is the surface seal sloped?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12.	Is the locking cap free of rust?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13.	Any obstruction or kinks in the well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14.	Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.	Is there any evidence of natural contamination?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16.	Any presence of water in annular space?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17.	Has well or protective casing been recently painted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18.	Any grease/unnatural substances on the top of well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19.	Are there weep holes at the bottom of casing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.01	540	10°C
2nd Vol			7.03	530	10°C
3rd Vol			7.03	530	10°C

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTHMonitoring Well/Point G333Date: 10-12-04Start Time: 9:27Field Personnel: R. ZinsseFinish Time: 9:43Well Depth (Bottom) From MP: 19.97 ftDepth to Water From MP (Prepurgings) 6.71 ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sample Appearance: Odor: No Color: Clear Turbidity: SlightWeather: SUNNY 60°F WINDS 5 mph EASTEnvironment: WOODED

Remarks/Well Condition: \_\_\_\_\_

Time Collected	Parameter
Unfiltered:	
Y/N	VOA (40mL)
Y/N	TOX (250 mL)
Y/N	TOC (40 mL)
Y/N	Organics (1/2 gal)
Y/N	Phenol (250 mL)
Y/N	CN- (250 mL)
Y/N	Grease & Oil (1 L)
Y/N	Metals (Total) (500 mL)
Y/N	General (500 mL)
Y/N	Ammonia (500 mL)
Y/N	
Y/N	

Filtered:	Field Filtered Inorganics Y/N
Y/N	Metals (500 mL)
Y/N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y/N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?		<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?		<input checked="" type="checkbox"/>
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?		<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.02	590	11°C
2nd Vol			6.06	550	11°C
3rd Vol			6.11	540	11°C

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: \_\_\_\_\_

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTHMonitoring Well/Point G34DDate: 10-12-04Start Time: 8:12Field Personnel: R. ZWISERFinish Time: 8:25Well Depth (Bottom) From MP: 64.62 ftDepth to Water From MP (Prepurgas) 7.46 ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sample Appearance: Odor: NO Color: Clear Turbidity: SlightWeather: PART SUN SSW WINDS 5 mph EASTEnvironment: WOODED

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	

Filtered:	Field Filtered Inorganics Y / N
	Y / N Metals (500 mL)
	Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?		<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?		<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.12</u>	<u>680</u>	<u>11°C</u>
2nd Vol			<u>7.14</u>	<u>680</u>	<u>10°C</u>
3rd Vol			<u>7.16</u>	<u>660</u>	<u>10°C</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - North

Monitoring Well/Point G34S Date: 10-12-04 Start Time: 7:55

Field Personnel: R. ZINSER Finish Time: 8:10

Well Depth (Bottom) From MP: 19.74 ft

Depth to Water From MP (Prepurgings) 7.28 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: PART SUN. 55F Winds SmpH EAST

Environment: WOODED

Remarks/Well Condition: \_\_\_\_\_

Time Collected Parameter 5

Unfiltered:

Y/N	VOA (40mL)
Y/N	TOX (250 mL)
Y/N	TOC (40 mL)
Y/N	Organics (1/2 gal)
<u>Y</u> /N	Phenol (250 mL)
<u>Y</u> /N	CN- (250 mL)
Y/N	Grease & Oil (1 L)
Y/N	Metals (Total) (500 mL)
Y/N	General (500 mL)
Y/N	Ammonia (500 mL)
Y/N	
Y/N	

Filtered: Field Filtered Inorganics Y / N

<u>Y</u> /N	Metals (500 mL)
<u>Y</u> /N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
<u>Y</u> /N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.99	890	12.0
2nd Vol			7.03	880	12.0
3rd Vol			7.06	880	12.0

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?		<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?			<input checked="" type="checkbox"/>
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?			<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

**Page Pit - NORTH**

Monitoring Well/Point

**G35D**

Date:

**10-12-04**

Start Time:

**8:45**

Field Personnel:

**R. ZINSER**

Finish Time:

**9:00**

Well Depth (Bottom) From MP:

**50.17** ft

Depth to Water From MP (Prepurgings)

**7.62** ft

Well Water Volume:

\_\_\_\_\_ gal

Water Column Length:

\_\_\_\_\_ ft

Water Evacuated:

\_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:

\_\_\_\_\_ Teflon Bailer

\_\_\_\_\_ Waterra

☒ Bladder

\_\_\_\_\_ Electric Pump

\_\_\_\_\_ Other (specify)

Sampled with:

\_\_\_\_\_ Teflon Bailer

\_\_\_\_\_ Waterra

☒ Bladder

\_\_\_\_\_ Electric Pump

\_\_\_\_\_ Other (specify)

Sample Appearance: Odor:

**No**

Color:

**Clear**

Turbidity:

**Slight**

Weather:

**PART. SUN 55F Winds 5mph EAST**

Environment:

**WOODED**

Remarks/Well Condition:

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
<b>9:00</b>	<input checked="" type="checkbox"/> Y / N	Phenol (250 mL)
	<input checked="" type="checkbox"/> Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N

	<input checked="" type="checkbox"/> Y / N	Metals (500 mL)
	<input checked="" type="checkbox"/> Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	<input checked="" type="checkbox"/> Y / N	General (500 mL)

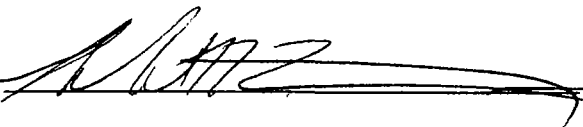
## Well Integrity Form

	Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>	
2. Does well have protective posts?		<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?		<input checked="" type="checkbox"/>
10. Is the surface seal free of cracks?		<input checked="" type="checkbox"/>
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?		<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<b>6.82</b>	<b>1310</b>	<b>13°C</b>
2nd Vol			<b>6.99</b>	<b>710</b>	<b>13°C</b>
3rd Vol			<b>7.04</b>	<b>730</b>	<b>12°C</b>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:



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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTHMonitoring Well/Point G35S Date: 10-12-04 Start Time: 8:30Field Personnel: R. ZINSE Finish Time: 8:43Well Depth (Bottom) From MP: 19.95 ftDepth to Water From MP (Prepurgings) 7.50 ft Well Water Volume: \_\_\_\_\_ galWater Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sample Appearance: Odor: No Color: Clear Turbidity: SlightWeather: PART. SUN 55F Winds 5 mph EASTEnvironment: WOODED

Remarks/Well Condition: \_\_\_\_\_

Time Collected	Parameter
Unfiltered:	
Y / N	VOA (40mL)
Y / N	TOX (250 mL)
Y / N	TOC (40 mL)
Y / N	Organics (1/2 gal)
Y / N	Phenol (250 mL)
Y / N	CN- (250 mL)
Y / N	Grease & Oil (1 L)
Y / N	Metals (Total) (500 mL)
Y / N	General (500 mL)
Y / N	Ammonia (500 mL)
Y / N	
Y / N	

Filtered:	Field Filtered Inorganics Y / N
Y / N	Metals (500 mL)
Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.11	570	13°C
2nd Vol			6.54	700	14°C
3rd Vol			6.63	720	14°C

Well Integrity Form		Yes	No
1. Does well have identification sign?		X	
2. Does well have protective posts?			X
3. Is the protective casing locked and does key work?		X	
4. Is the well free of damage and in good shape?		X	
5. Does well cap fit securely?		X	
6. Is the well cap vented?		X	
7. Does the area around the well appear clean?		X	
8. Is the casing secure?		X	
9. Is surface seal void of erosion around/under the base?			X
10. Is the surface seal free of cracks?			X
11. Is the surface seal sloped?			X
12. Is the locking cap free of rust?			X
13. Any obstruction or kinks in the well?			X
14. Does bladder pump & appurtenances work properly?		X	
15. Is there any evidence of natural contamination?			X
16. Any presence of water in annular space?			X
17. Has well or protective casing been recently painted?			X
18. Any grease/unnatural substances on the top of well?			X
19. Are there weep holes at the bottom of casing?			X

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Page Pit**Monitoring Well/Point **G-365**Date: **10/12/14**Start Time: **14:08**Field Personnel: **JMB**Finish Time: **14:15**Well Depth (Bottom) From MP: **39.81** ftDepth to Water From MP (Prepurgas) **5.33** ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)Sample Appearance: Odor: **none** Color: **Clear** Turbidity: **trace**Weather: **Sunny 60°F**Environment: **Dry ground / water**Remarks/Well Condition: **No Leak**

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
<b>14:17</b>	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:	Field Filtered Inorganics Y / N
	Y / N Metals (500 mL)
	Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>
2. Does well have protective posts?		<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>	
5. Does well cap fit securely?	<input checked="" type="checkbox"/>	
6. Is the well cap vented?	<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>	
8. Is the casing secure?	<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?	<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?	<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?		<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?		<input checked="" type="checkbox"/>
16. Any presence of water in annular space?		<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?		<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?		<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?		<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.29	780	54
2nd Vol			7.29	710	53.2
3rd Vol			7.30	720	53.2

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: 

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G37D Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JTM Finish Time: 8:18

Well Depth (Bottom) From MP: 81.77 ft

Depth to Water From MP (Prepurgings) 4.87 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: None Color: GRN Turbidity: 5164

Weather: Cloudy 55°

Environment: GRASS/WOODS

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Time	Collected	Parameter
Filtered:		
	Y / N	Field Filtered Inorganics (Y / N)
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N	General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>	
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.83	846	11.3
2nd Vol			6.84	827	11.1
3rd Vol			6.86	826	11

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: JTM

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH

Monitoring Well/Point G375 Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JTM Finish Time: 8:13

Well Depth (Bottom) From MP: 17.61 ft

Depth to Water From MP (Prepurgings) 5.61 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: Cloudy 55°

Environment: GRASS WOODS

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	5	
	Y/N	VOA (40mL)
	Y/N	TOX (250 mL)
	Y/N	TOC (40 mL)
	Y/N	Organics (1/2 gal)
	<input checked="" type="checkbox"/> N	Phenol (250 mL)
	<input checked="" type="checkbox"/> N	CN- (250 mL)
	Y/N	Grease & Oil (1 L)
	Y/N	Metals (Total) (500 mL)
	Y/N	General (500 mL)
	Y/N	Ammonia (500 mL)
	Y/N	
	Y/N	

Filtered:

	<input checked="" type="checkbox"/> N	Field Filtered Inorganics <input checked="" type="checkbox"/> Y/N
	<input checked="" type="checkbox"/> N	Metals (500 mL)
	<input checked="" type="checkbox"/> N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	<input checked="" type="checkbox"/> N	General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>	
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.90	1103	12.8
2nd Vol			6.89	1058	12.8
3rd Vol			6.87	1044	12.9

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit 4

Monitoring Well/Point G 383 Date: 10/12/14 Start Time: 1440

Field Personnel: UMB Finish Time: 1450

Well Depth (Bottom) From MP: 32.60 ft

Depth to Water From MP (Prepurgas) 1038 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Sunny 60°F

Environment: Dry Ground

Remarks/Well Condition: \_\_\_\_\_

Time Collected Parameter (5)

Unfiltered:

_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
<u>10/12</u>	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	_____
_____	Y / N	_____

Filtered: Field Filtered Inorganics Y / N

_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?		<input checked="" type="checkbox"/>	
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?		<input checked="" type="checkbox"/>	
10. Is the surface seal free of cracks?		<input checked="" type="checkbox"/>	
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?			<input checked="" type="checkbox"/>
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?		<input checked="" type="checkbox"/>	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.09	1850	55
2nd Vol			7.09	1874	55
3rd Vol			7.12	1870	55

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH

Monitoring Well/Point 6395 Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JM Finish Time: 9:42

Well Depth (Bottom) From MP: 53.49 ft

Depth to Water From MP (Prepurgings) 25.68 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: 3.1614

Weather: P Cloudy 55°

Environment: MOWED WEED ALONG ROAD

Remarks/Well Condition: \_\_\_\_\_

Time Collected	Parameter
Unfiltered:	
Y/N	VOA (40mL)
Y/N	TOX (250 mL)
Y/N	TOC (40 mL)
Y/N	Organics (1/2 gal)
<input checked="" type="checkbox"/> N	Phenol (250 mL)
<input checked="" type="checkbox"/> N	CN- (250 mL)
Y/N	Grease & Oil (1 L)
Y/N	Metals (Total) (500 mL)
Y/N	General (500 mL)
Y/N	Ammonia (500 mL)
Y/N	
Y/N	

Filtered: Field Filtered Inorganics ☒ Y/N

☒ N Metals (500 mL)

☒ N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

☒ N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?			<input checked="" type="checkbox"/>
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>	
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.57	1227	12
2nd Vol			6.59	1220	12
3rd Vol			6.60	1230	12

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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# GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

**Page Pit**

Monitoring Well/Point

G 405

Date:

10/12/4

Start Time:

11:20

Field Personnel:

DMB

Finish Time:

1:30

Well Depth (Bottom) From MP:

38.74 ft

Depth to Water From MP (Prepurgings)

28.94 ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

Low 7/10 gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: Teflon Bailor

Waterra

Bladder

Electric Pump

Other (specify)

Sampled with: Teflon Bailor

Waterra

Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor:

None

Color:

Clear

Turbidity:

Low

Weather:

Sunny 60°F Wind 5-10 mph

Environment:

Dry Grass

Remarks/Well Condition:

no lock

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
11:35	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered: Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?	X	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.36	1215	60.3
2nd Vol			6.88	1220	60.0
3rd Vol			6.85	1230	60.0

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

DMB

# GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH  
 Monitoring Well/Point G41D Date: 10-12-04 Start Time: \_\_\_\_\_  
 Field Personnel: Jim Finish Time: 11:17  
 Well Depth (Bottom) From MP: 101.60 ft  
 Depth to Water From MP (Prepurgues) 20.86 ft Well Water Volume: \_\_\_\_\_ gal  
 Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
 (Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)  
 Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)  
 Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)  
 Sample Appearance: Odor: NONE Color: NONE Turbidity: 52.16 NTU  
 Weather: P. Cloudy 55°  
 Environment: WOODS  
 Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	<u>5</u>	
Y / N		VOA (40mL)
Y / N		TOX (250 mL)
Y / N		TOC (40 mL)
Y / N		Organics (1/2 gal)
<input checked="" type="checkbox"/> Y / N		Phenol (250 mL)
<input checked="" type="checkbox"/> Y / N		CN- (250 mL)
Y / N		Grease & Oil (1 L)
Y / N		Metals (Total) (500 mL)
Y / N		General (500 mL)
Y / N		Ammonia (500 mL)
Y / N		
Y / N		

Filtered:		Field Filtered Inorganics Y / N
<input checked="" type="checkbox"/> Y / N		Metals (500 mL)
<input checked="" type="checkbox"/> Y / N		Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
<input checked="" type="checkbox"/> Y / N		General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>		
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?	<input checked="" type="checkbox"/>		
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>		
5. Does well cap fit securely?	<input checked="" type="checkbox"/>		
6. Is the well cap vented?	<input checked="" type="checkbox"/>		
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>		
8. Is the casing secure?	<input checked="" type="checkbox"/>		
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>		
12. Is the locking cap free of rust?	<input checked="" type="checkbox"/>		
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>		
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.25</u>	<u>658</u>	<u>15</u>
2nd Vol			<u>7.23</u>	<u>652</u>	<u>15</u>
3rd Vol			<u>7.20</u>	<u>679</u>	<u>15</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: Joel

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH

Monitoring Well/Point 41M Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JM Finish Time: 10:42

Well Depth (Bottom) From MP: 61.50 ft

Depth to Water From MP (Prepurgings) 18.66 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: NONE Color: TAN Turbidity: SLIGHT

Weather: P Cloudy 55°

Environment: WOODS

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	<u>5</u>	
Y/N		VOA (40mL)
Y/N		TOX (250 mL)
Y/N		TOC (40 mL)
Y/N		Organics (1/2 gal)
Y/N		Phenol (250 mL)
Y/N		CN- (250 mL)
Y/N		Grease & Oil (1 L)
Y/N		Metals (Total) (500 mL)
Y/N		General (500 mL)
Y/N		Ammonia (500 mL)
Y/N		
Y/N		

Filtered: \_\_\_\_\_

Field Filtered Inorganics Y/N

Y/N Metals (500 mL)

Y/N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

Y/N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?		<input checked="" type="checkbox"/>	
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?			<input checked="" type="checkbox"/>
4. Is the well free of damage and in good shape?		<input checked="" type="checkbox"/>	
5. Does well cap fit securely?		<input checked="" type="checkbox"/>	
6. Is the well cap vented?		<input checked="" type="checkbox"/>	
7. Does the area around the well appear clean?		<input checked="" type="checkbox"/>	
8. Is the casing secure?		<input checked="" type="checkbox"/>	
9. Is surface seal void of erosion around/under the base?			<input checked="" type="checkbox"/>
10. Is the surface seal free of cracks?			<input checked="" type="checkbox"/>
11. Is the surface seal sloped?		<input checked="" type="checkbox"/>	
12. Is the locking cap free of rust?		<input checked="" type="checkbox"/>	
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?		<input checked="" type="checkbox"/>	
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.08</u>	<u>128</u>	<u>14</u>
2nd Vol			<u>7.10</u>	<u>1636</u>	<u>14.1</u>
3rd Vol			<u>7.11</u>	<u>1633</u>	<u>14.1</u>

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit 02711

Monitoring Well/Point G41 S Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JTM Finish Time: 10:52

Well Depth (Bottom) From MP: 37.79 ft

Depth to Water From MP (Prepurgings) \_\_\_\_\_ ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify) \_\_\_\_\_

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra ☒ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify) \_\_\_\_\_

Sample Appearance: Odor: ORGANIC Color: TAN Turbidity: 5.16

Weather: P Cloudy 55°

Environment: WOODS

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	<u>S</u>	
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	<input checked="" type="checkbox"/> Y / N	Phenol (250 mL)
_____	<input checked="" type="checkbox"/> Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered: \_\_\_\_\_

Field Filtered Inorganics Y / N

\_\_\_\_\_ ☒ Y / N Metals (500 mL)

\_\_\_\_\_ ☒ Y / N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

\_\_\_\_\_ ☒ Y / N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?	<input checked="" type="checkbox"/>		
2. Does well have protective posts?			<input checked="" type="checkbox"/>
3. Is the protective casing locked and does key work?			<input checked="" type="checkbox"/>
4. Is the well free of damage and in good shape?	<input checked="" type="checkbox"/>		
5. Does well cap fit securely?	<input checked="" type="checkbox"/>		
6. Is the well cap vented?	<input checked="" type="checkbox"/>		
7. Does the area around the well appear clean?	<input checked="" type="checkbox"/>		
8. Is the casing secure?	<input checked="" type="checkbox"/>		
9. Is surface seal void of erosion around/under the base?			<input checked="" type="checkbox"/>
10. Is the surface seal free of cracks?			<input checked="" type="checkbox"/>
11. Is the surface seal sloped?	<input checked="" type="checkbox"/>		
12. Is the locking cap free of rust?	<input checked="" type="checkbox"/>		
13. Any obstruction or kinks in the well?			<input checked="" type="checkbox"/>
14. Does bladder pump & appurtenances work properly?	<input checked="" type="checkbox"/>		
15. Is there any evidence of natural contamination?			<input checked="" type="checkbox"/>
16. Any presence of water in annular space?			<input checked="" type="checkbox"/>
17. Has well or protective casing been recently painted?			<input checked="" type="checkbox"/>
18. Any grease/unnatural substances on the top of well?			<input checked="" type="checkbox"/>
19. Are there weep holes at the bottom of casing?			<input checked="" type="checkbox"/>

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.92	1434	15.8
2nd Vol			6.92	1430	15.9
3rd Vol			6.92	1415	16.2

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH

Monitoring Well/Point G415 Date: 10-16-04 Start Time: \_\_\_\_\_

Field Personnel: JTM Finish Time: \_\_\_\_\_

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgings) 21.02 ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: \_\_\_\_\_ Color: \_\_\_\_\_ Turbidity: \_\_\_\_\_

Weather: \_\_\_\_\_

Environment: \_\_\_\_\_

Remarks/Well Condition: DTW ONLY

Time Collected	Parameter
Unfiltered:	
Y / N	VOA (40mL)
Y / N	TOX (250 mL)
Y / N	TOC (40 mL)
Y / N	Organics (1/2 gal)
Y / N	Phenol (250 mL)
Y / N	CN- (250 mL)
Y / N	Grease & Oil (1 L)
Y / N	Metals (Total) (500 mL)
Y / N	General (500 mL)
Y / N	Ammonia (500 mL)
Y / N	
Y / N	

Filtered:	Field Filtered Inorganics Y / N
Y / N	Metals (500 mL)
Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y / N	General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?			
2. Does well have protective posts?			
3. Is the protective casing locked and does key work?			
4. Is the well free of damage and in good shape?			
5. Does well cap fit securely?			
6. Is the well cap vented?			
7. Does the area around the well appear clean?			
8. Is the casing secure?			
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?			
12. Is the locking cap free of rust?			
13. Any obstruction or kinks in the well?			
14. Does bladder pump & appurtenances work properly?			
15. Is there any evidence of natural contamination?			
16. Any presence of water in annular space?			
17. Has well or protective casing been recently painted?			
18. Any grease/unnatural substances on the top of well?			
19. Are there weep holes at the bottom of casing?			

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit Route 67  
 Monitoring Well/Point R-425 Date: 10/12/11 Start Time: 13:45  
 Field Personnel: CRK Finish Time: 13:55  
 Well Depth (Bottom) From MP: 2017 ft  
 Depth to Water From MP (Prepurgings) 1560 ft Well Water Volume: \_\_\_\_\_ gal  
 Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
 (Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)  
 Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ✓ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify) \_\_\_\_\_  
 Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra ✓ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify) \_\_\_\_\_  
 Sample Appearance: Odor: None Color: Clear Turbidity: Trace  
 Weather: Sunny 60°  
 Environment: Dry Ground  
 Remarks/Well Condition: \_\_\_\_\_

Time Collected Parameter (5)  
 Unfiltered:  
 \_\_\_\_\_ Y/N VOA (40mL)  
 \_\_\_\_\_ Y/N TOX (250 mL)  
 \_\_\_\_\_ Y/N TOC (40 mL)  
1/4/12 Y/N Organics (1/2 gal)  
 \_\_\_\_\_ Y/N Phenol (250 mL)  
 \_\_\_\_\_ Y/N CN- (250 mL)  
 \_\_\_\_\_ Y/N Grease & Oil (1 L)  
 \_\_\_\_\_ Y/N Metals (Total) (500 mL)  
 \_\_\_\_\_ Y/N General (500 mL)  
 \_\_\_\_\_ Y/N Ammonia (500 mL)  
 \_\_\_\_\_ Y/N \_\_\_\_\_  
 \_\_\_\_\_ Y/N \_\_\_\_\_

Filtered: Field Filtered Inorganics Y / N  
 \_\_\_\_\_ Y / N Metals (500 mL)  
 \_\_\_\_\_ Y / N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)  
 \_\_\_\_\_ Y / N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?	<u>✓</u>		
2. Does well have protective posts?			<u>✓</u>
3. Is the protective casing locked and does key work?	<u>✓</u>		
4. Is the well free of damage and in good shape?	<u>✓</u>		
5. Does well cap fit securely?	<u>✓</u>		
6. Is the well cap vented?	<u>✓</u>		
7. Does the area around the well appear clean?	<u>✓</u>		
8. Is the casing secure?	<u>✓</u>		
9. Is surface seal void of erosion around/under the base?	<u>✓</u>		
10. Is the surface seal free of cracks?	<u>✓</u>		
11. Is the surface seal sloped?	<u>✓</u>		
12. Is the locking cap free of rust?			<u>✓</u>
13. Any obstruction or kinks in the well?			<u>✓</u>
14. Does bladder pump & appurtenances work properly?	<u>✓</u>		
15. Is there any evidence of natural contamination?			<u>✓</u>
16. Any presence of water in annular space?			<u>✓</u>
17. Has well or protective casing been recently painted?			<u>✓</u>
18. Any grease/unnatural substances on the top of well?			<u>✓</u>
19. Are there weep holes at the bottom of casing?	<u>✓</u>		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.72	1535	55.9
2nd Vol			6.72	1470	55.5
3rd Vol			6.71	1460	55.9

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: CRK

## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No.

Pagel Pit DIRT

Monitoring Well/Point

SG-1

Date:

10-14-06 10-12-04

Start Time:

Field Personnel:

Jm

Finish Time:

11:00

Well Depth (Bottom) From MP:

ft

Depth to Water From MP (Prepurgas)

NA

ft

Well Water Volume:

gal

Water Column Length:

ft

Water Evacuated:

gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with:

Teflon Bailor

Waterra

Bladder

Electric Pump

Other (specify)

Sampled with:

Teflon Bailor

Waterra

Bladder

Electric Pump

Other (specify)

Sample Appearance: Odor:

Color:

Turbidity:

Weather:

P Cloudy 55°

Environment:

CREEK BY 641 WELLS

Remarks/Well Condition:

Time	Collected	Parameter
Unfiltered:	5	
	Y/N	VOA (40mL)
	Y/N	TOX (250 mL)
	Y/N	TOC (40 mL)
	Y/N	Organics (1/2 gal)
	Y/N	Phenol (250 mL)
	Y/N	CN- (250 mL)
	Y/N	Grease & Oil (1 L)
	Y/N	Metals (Total) (500 mL)
	Y/N	General (500 mL)
	Y/N	Ammonia (500 mL)
	Y/N	
	Y/N	

Filtered:	Field Filtered Inorganics	Y/N
	Metals (500 mL)	Y/N
	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)	Y/N
	General (500 mL)	Y/N

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.44	739	13.2
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature:

Jm

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTHMonitoring Well/Point SG-3 Date: 10-12-04 Start Time: \_\_\_\_\_Field Personnel: SM Finish Time: 9:52

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgas) NA ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump X Other (specify 2-shuttle)Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump X Other (specify \_\_\_\_\_)Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHTWeather: P Cloudy 55°Environment: CREEK AT PRESERVE CROSSING

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:	<u>5</u>	
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	<u>X</u> / N	Phenol (250 mL)
_____	<u>Y</u> / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics <u>Y</u> / N
_____	<u>Y</u> / N	Metals (500 mL)
_____	<u>Y</u> / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
_____	<u>Y</u> / N	General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		<u>NA</u>
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.04</u>	<u>782</u>	<u>11.5</u>
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NorthMonitoring Well/Point SG-4 Date: 10-12-04 Start Time: \_\_\_\_\_Field Personnel: JTM Finish Time: 10:10 8:40

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgings) N/A ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump X Other (specify)Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump X SPLIT Other (specify)Sample Appearance: Odor: None Color: None Turbidity: SLIGHTWeather: Cloudy 50Environment: CREEK

Remarks/Well Condition: \_\_\_\_\_

Time Collected	Parameter
Unfiltered: <u>5</u>	
Y / N	VOA (40mL)
Y / N	TOX (250 mL)
Y / N	TOC (40 mL)
Y / N	Organics (1/2 gal)
<u>Y</u> / N	Phenol (250 mL)
<u>Y</u> / N	CN- (250 mL)
Y / N	Grease & Oil (1 L)
Y / N	Metals (Total) (500 mL)
Y / N	General (500 mL)
Y / N	Ammonia (500 mL)
Y / N	
Y / N	

Filtered:	Field Filtered Inorganics <u>Y</u> / N
<u>Y</u> / N	Metals (500 mL)
<u>Y</u> / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
<u>Y</u> / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.57</u>	<u>724</u>	<u>11.5</u>
2nd Vol					
3rd Vol					

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		<u>N/A</u>
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point EQUIP BCK Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JM Finish Time: 12:00

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgings) NA ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ✓ Other (specify) CARBID

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ✓ Other (specify) \_\_\_\_\_

Sample Appearance: Odor: NONE Color: NONE Turbidity: NONE

Weather: P SUNNY 55

Environment: RECYCLE LOT

Remarks/Well Condition: DI WATER

Time	Collected	Parameter
Unfiltered:	<u>✓</u>	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	<u>✓</u> Y / N	Phenol (250 mL)
	<u>✓</u> Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	<u>✓</u> Y / N	Metals (Total) (500 mL)
	<u>✓</u> Y / N	General (500 mL)
	<u>✓</u> Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:

Field Filtered Inorganics Y / N
Y / N Metals (500 mL)
Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
Y / N General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol			<u>NA</u>		
3rd Vol					

Well Integrity Form		Yes	No
1. Does well have identification sign?			
2. Does well have protective posts?			
3. Is the protective casing locked and does key work?			
4. Is the well free of damage and in good shape?			
5. Does well cap fit securely?			
6. Is the well cap vented?			
7. Does the area around the well appear clean?			
8. Is the casing secure?			
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			<u>NA</u>
11. Is the surface seal sloped?			
12. Is the locking cap free of rust?			
13. Any obstruction or kinks in the well?			
14. Does bladder pump & appurtenances work properly?			
15. Is there any evidence of natural contamination?			
16. Any presence of water in annular space?			
17. Has well or protective casing been recently painted?			
18. Any grease/unnatural substances on the top of well?			
19. Are there weep holes at the bottom of casing?			

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit NORTH

Monitoring Well/Point FB #1 Date: 10-12-04 Start Time: \_\_\_\_\_

Field Personnel: JTM Finish Time: 11:45

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgings) NA ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ☒ Other (specify) CARBON

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ☒ Other (specify) CARBON

Sample Appearance: Odor: NONE Color: NONE Turbidity: NONE

Weather: P Cloudy 55°

Environment: RECYCLE LOT

Remarks/Well Condition: DI WATER

Time	Collected	Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	<input checked="" type="checkbox"/> Y / N	Phenol (250 mL)
	<input checked="" type="checkbox"/> Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	<input checked="" type="checkbox"/> Y / N	Metals (Total) (500 mL)
	<input checked="" type="checkbox"/> Y / N	General (500 mL)
	<input checked="" type="checkbox"/> Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered: Field Filtered Inorganics Y / N

Y / N Metals (500 mL)

Y / N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)

Y / N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?			
2. Does well have protective posts?			
3. Is the protective casing locked and does key work?			
4. Is the well free of damage and in good shape?			
5. Does well cap fit securely?			
6. Is the well cap vented?			
7. Does the area around the well appear clean?			
8. Is the casing secure?			
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?			
12. Is the locking cap free of rust?			
13. Any obstruction or kinks in the well?			
14. Does bladder pump & appurtenances work properly?			
15. Is there any evidence of natural contamination?			
16. Any presence of water in annular space?			
17. Has well or protective casing been recently painted?			
18. Any grease/unnatural substances on the top of well?			
19. Are there weep holes at the bottom of casing?			

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol			<u>NA</u>		
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NORTHMonitoring Well/Point L 316Date: 10-13-04

Start Time: \_\_\_\_\_

Field Personnel: R. ZINSEFinish Time: 10:00

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgas) 0" Dry ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: \_\_\_\_\_ Color: \_\_\_\_\_ Turbidity: \_\_\_\_\_

Weather: \_\_\_\_\_

Environment: \_\_\_\_\_

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:	Field Filtered Inorganics Y / N
	Y / N Metals (500 mL)
	Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?			
2. Does well have protective posts?			
3. Is the protective casing locked and does key work?			
4. Is the well free of damage and in good shape?			
5. Does well cap fit securely?			
6. Is the well cap vented?			
7. Does the area around the well appear clean?			
8. Is the casing secure?			
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?			
12. Is the locking cap free of rust?			
13. Any obstruction or kinks in the well?			
14. Does bladder pump & appurtenances work properly?			
15. Is there any evidence of natural contamination?			
16. Any presence of water in annular space?			
17. Has well or protective casing been recently painted?			
18. Any grease/unnatural substances on the top of well?			
19. Are there weep holes at the bottom of casing?			

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: \_\_\_\_\_

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTH  
 Monitoring Well/Point L313 Date: 10-13-04 Start Time: 9:15  
 Field Personnel: RE/DMB Finish Time: 9:48

Well Depth (Bottom) From MP: \_\_\_\_\_ ft  
 Depth to Water From MP (Prepurgings) 96.40 ft 96.50 2nd 1/4  
 Water Column Length: \_\_\_\_\_ ft  
 (Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ☒ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ☒ Other (specify)

Sample Appearance: Odor: \_\_\_\_\_ Color: \_\_\_\_\_ Turbidity: \_\_\_\_\_

Weather: \_\_\_\_\_

Environment: \_\_\_\_\_

Remarks/Well Condition: \* Black Hawk/Heart Sub Pump - RAW Pump - Dry Leachate

Time Collected Parameter  
 Unfiltered: \_\_\_\_\_ Y / N VOA (40mL)  
 \_\_\_\_\_ Y / N TOX (250 mL)  
 \_\_\_\_\_ Y / N TOC (40 mL)  
 \_\_\_\_\_ Y / N Organics (1/2 gal)  
 \_\_\_\_\_ ☒ Y / N Phenol (250 mL)  
 \_\_\_\_\_ ☒ Y / N CN- (250 mL)  
 \_\_\_\_\_ ☒ Y / N Grease & Oil (1 L)  
 \_\_\_\_\_ ☒ Y / N Metals (Total) (500 mL)  
 \_\_\_\_\_ ☒ Y / N General (500 mL)  
 \_\_\_\_\_ ☒ Y / N Ammonia (500 mL)  
 \_\_\_\_\_ ☒ Y / N Fecal

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Filtered: \_\_\_\_\_ Field Filtered Inorganics Y / N  
 \_\_\_\_\_ Y / N Metals (500 mL)  
 \_\_\_\_\_ Y / N Ammonia/NO<sub>2</sub>/NO<sub>3</sub> (500 mL)  
 \_\_\_\_\_ Y / N General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: [Signature]

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NorthMonitoring Well/Point L 314 Date: 10-13-08 Start Time: \_\_\_\_\_Field Personnel: R. ZINSER Finish Time: 10:10

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgues) 17" Dry ft

Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft

Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailor \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: \_\_\_\_\_ Color: \_\_\_\_\_ Turbidity: \_\_\_\_\_

Weather: \_\_\_\_\_

Environment: \_\_\_\_\_

Remarks/Well Condition: \* Not enough SAMPLE TO COLLECT

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	


Filtered:	Field Filtered Inorganics Y / N
	Y / N Metals (500 mL)
	Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N General (500 mL)

## Well Integrity Form

	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: 

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTH

Monitoring Well/Point L315 Date: 10-13-04 Start Time: 9:30

Field Personnel: R. Zinsler Finish Time: 9:43

Well Depth (Bottom) From MP: N/A ft

Depth to Water From MP (Prepurgas) 10' IN ft 0 3.1/4 Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal  
(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ☒ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump ☒ Other (specify)

Sample Appearance: Odor: Strong Color: Black Turbidity: Heavy

Weather: Cloudy 50F Winds 15mph NW

Environment: TALL GRASS ~ WEEDS

Remarks/Well Condition: \* Sub Pump

Time Collected Parameter (8)

Unfiltered:

_____	Y/N	VOA (40mL)
_____	Y/N	TOX (250 mL)
_____	Y/N	TOC (40 mL)
<u>9:43</u>	Y/N	Organics (1/2 gal)
_____	<input checked="" type="radio"/> Y/N	Phenol (250 mL)
_____	<input checked="" type="radio"/> Y/N	CN- (250 mL)
_____	<input checked="" type="radio"/> Y/N	Grease & Oil (1 L)
_____	<input checked="" type="radio"/> Y/N	Metals (Total) (500 mL)
_____	<input checked="" type="radio"/> Y/N	General (500 mL)
_____	<input checked="" type="radio"/> Y/N	Ammonia (500 mL)
_____	<input checked="" type="radio"/> Y/N	<u>Fecal</u>
_____	Y/N	_____

Filtered: Field Filtered Inorganics Y / N

_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form		Yes	No
1. Does well have identification sign?			
2. Does well have protective posts?			
3. Is the protective casing locked and does key work?			
4. Is the well free of damage and in good shape?			
5. Does well cap fit securely?			
6. Is the well cap vented?			
7. Does the area around the well appear clean?			
8. Is the casing secure?			
9. Is surface seal void of erosion around/under the base?			
10. Is the surface seal free of cracks?			
11. Is the surface seal sloped?			
12. Is the locking cap free of rust?			
13. Any obstruction or kinks in the well?			
14. Does bladder pump & appurtenances work properly?			
15. Is there any evidence of natural contamination?			
16. Any presence of water in annular space?			
17. Has well or protective casing been recently painted?			
18. Any grease/unnatural substances on the top of well?			
19. Are there weep holes at the bottom of casing?			

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			<u>7.89</u>	<u>OR</u>	<u>34°C</u>
2nd Vol					
3rd Vol					

	Initial	Std	Read	Adjust
pH		4.00		4.00
		7.00		7.00
		10.00		10.00
Spec Con		1000		1000

Sampler's Signature: \_\_\_\_\_

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## GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Page Pit - NORTH

Monitoring Well/Point L 316 Date: 10-13-04 Start Time: \_\_\_\_\_

Field Personnel: R. ZINSER Finish Time: 10:00

Well Depth (Bottom) From MP: \_\_\_\_\_ ft

Depth to Water From MP (Prepurgues) 0" Dry ft Well Water Volume: \_\_\_\_\_ gal

Water Column Length: \_\_\_\_\_ ft Water Evacuated: \_\_\_\_\_ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2" - 0.16 gal/ft, 2.5" - 0.26 gal/ft)

Evacuated with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sampled with: \_\_\_\_\_ Teflon Bailer \_\_\_\_\_ Waterra \_\_\_\_\_ Bladder \_\_\_\_\_ Electric Pump \_\_\_\_\_ Other (specify)

Sample Appearance: Odor: \_\_\_\_\_ Color: \_\_\_\_\_ Turbidity: \_\_\_\_\_

Weather: \_\_\_\_\_

Environment: \_\_\_\_\_

Remarks/Well Condition: \_\_\_\_\_

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:	Field Filtered Inorganics Y / N
	Y / N Metals (500 mL)
	Y / N Ammonia/NO <sub>2</sub> /NO <sub>3</sub> (500 mL)
	Y / N General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: \_\_\_\_\_

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**FAX # 309-692-9689**

State where samples collected \_\_\_\_\_

## CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS **MUST** BE COMPLETED BY CLIENT (PLEASE PRINT)

[illegible]

**Copies: white should accompany samples to PDC Labs.**

**Yellow copy to be retained by the client.**

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PDC LABORATORIES, INC.  
2231 WEST ALTORFER DRIVE  
PEORIA, IL 61615

PHONE # 309-692-9688  
FAX # 309-692-9689

State where samples collected \_\_\_\_\_

# CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

<b>1</b> CLIENT <i>Page 1 North</i>		PROJECT NUMBER		P.O. NUMBER		MEANS SHIPPED		<b>3</b> ANALYSIS REQUESTED		<b>4</b> (FOR LAB USE ONLY)	
ADDRESS		PHONE NUMBER		FAX NUMBER		DATE SHIPPED				LOGIN # <i>04102356</i>	
CITY STATE ZIP		SAMPLER (PLEASE PRINT) <i>Dm Brewer</i>		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE OTHER: _____						LOGGED BY: <i>TA</i>	
CONTACT PERSON		SAMPLER'S SIGNATURE <i>Dm Brewer</i>								LAB PROJ. # _____	
<b>2</b> SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	COMP	MATRIX TYPE	BOTTLE COUNT			REMARKS	
✓ <i>R03 S</i>		<i>10/12</i>	<i>1057</i>	<i>X</i>		<i>GD</i>	<i>5</i>			<i>04102356-1</i>	
✓ <i>G03 m</i>			<i>1115</i>							<i>-2</i>	
✓ <i>G09 m</i>			<i>945</i>							<i>-3</i>	
✓ <i>G09 D</i>			<i>1007</i>							<i>-4</i>	
<i>G13 S</i>			<i>900</i>							<i>04102362-142</i>	
✓ <i>G13 D</i>			<i>920</i>							<i>PD</i>	
<i>G16 m</i>			<i>750</i>							<i>04102356-7</i>	
<i>G16-D</i>			<i>732</i>							<i>-8</i>	
<i>G17 S</i>			<i>1010</i>							<i>-9</i>	
<i>G18 S</i>			<i>915</i>							<i>-10</i>	
<i>G18 D</i>			<i>923</i>							<i>-11</i>	
✗ <i>G33 S</i>			<i>943</i>							<i>-12</i>	
<b>5</b> TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)		NORMAL		RUSH		DATE RESULTS NEEDED		<b>6</b> The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.			
RUSH RESULTS VIA (PLEASE CIRCLE)		FAX		PHONE							
FAX # IF DIFFERENT FROM ABOVE:		PHONE # IF DIFFERENT FROM ABOVE:									
RELINQUISHED BY: (SIGNATURE) <i>Dm Brewer</i>		DATE TIME <i>10/12</i>	RECEIVED BY: (SIGNATURE) <i>Daniel Hyff</i>		DATE TIME <i>10-12</i>	<b>8</b> COMMENTS: (FOR LAB USE ONLY) <i>On sample # 04102354</i>					
RELINQUISHED BY: (SIGNATURE) <i>Daniel Hyff</i>		DATE TIME <i>10-12</i>	RECEIVED BY: (SIGNATURE)		DATE TIME <i>11:50</i>						
RELINQUISHED BY: (SIGNATURE)		DATE TIME	RECEIVED AT LAB BY: (SIGNATURE) <i>Ch R. Hogan</i>		DATE TIME <i>10-12-11</i>	SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE					

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PDC LABORATORIES, INC.  
2231 WEST ALTORFER DRIVE  
PEORIA, IL 61615

PHONE # 309-692-9688  
FAX # 309-692-9689

State where samples collected \_\_\_\_\_

# CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

<b>1</b> CLIENT Project Number: <u>Page 1 North</u>		PROJECT NUMBER		P.O. NUMBER		MEANS SHIPPED		<b>3</b> ANALYSIS REQUESTED		<b>4</b> (FOR LAB USE ONLY) 56 LOGIN # <u>04102354</u> JMS LOGGED BY: _____ LAB PROJ. # _____ TEMPLATE: _____ PROJ. MGR.: _____	
ADDRESS		PHONE NUMBER		FAX NUMBER		DATE SHIPPED					
CITY STATE ZIP		SAMPLER (PLEASE PRINT) <u>Don Brown</u>		MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE OTHER: _____							
CONTACT PERSON		SAMPLER'S SIGNATURE <u>Don Brown</u>									
<b>2</b> SAMPLE DESCRIPTION AS YOU WANT ON REPORT		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	COMP	MATRIX TYPE	BOTTLE COUNT			REMARKS	
G-33D		10/12	925	X		GD	5			04102356-13	
G 340			810							14	
G 34D			825							15	
G 35S			8:13							16	
G 35D			900							17	
G 370			813							18	
G 39 D			818							19	
G39 S			942							20	
G 40S			1135							21	
G 41S			1052							22	
G 41 m			1042							23	
G 41 D			11:17							24	
<b>5</b> TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) FAX # IF DIFFERENT FROM ABOVE: _____ PHONE # IF DIFFERENT FROM ABOVE: _____		NORMAL		RUSH		DATE RESULTS NEEDED		<b>6</b> The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.			
RELINQUISHED BY: (SIGNATURE) <u>Don Brown</u>		DATE TIME <u>10/12</u> <u>3:35</u>	RECEIVED BY: (SIGNATURE) <u>Samuel Muff</u>		DATE TIME <u>10/12</u> <u>12:50</u>	<b>8</b> COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT <u>1</u> °C CHILL PROCESS STARTED PRIOR TO RECEIPT <u>8</u> OR N SAMPLE(S) RECEIVED ON ICE <u>8</u> OR N PROPER BOTTLES RECEIVED IN GOOD CONDITION <u>8</u> OR N BOTTLES FILLED WITH ADEQUATE VOLUME <u>8</u> OR N SAMPLES RECEIVED WITHIN HOLD TIME(S) <u>8</u> OR N (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____					
RELINQUISHED BY: (SIGNATURE) <u>Samuel Muff</u>		DATE TIME <u>10/12</u> <u>3:35</u>	RECEIVED BY: (SIGNATURE) <u>Don R. Hoyer</u>		DATE TIME <u>10/12</u> <u>15:35</u>						
RELINQUISHED BY: (SIGNATURE)		DATE TIME	RECEIVED AT LAB BY: (SIGNATURE)		DATE TIME						

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**PHONE # 309-692-9688**  
**FAX # 309-692-9689**

## CHAIN OF CUSTODY RECORD

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PAGE OF

**PDC LABORATORIES, INC.**  
**2231 WEST ALTORFER DRIVE**  
**PEORIA, IL 61615**

**PHONE # 309-692-9688**  
**FAX # 309-692-9689**

State where samples collected \_\_\_\_\_

## CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

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**PHONE # 309-692-9688**  
**FAX # 309-692-9689**

State where samples collected \_\_\_\_\_

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

CLIENT						ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)								(FOR LAB USE ONLY)																									
<b>1</b>	<b>Pagel Mouth</b>					PROJECT NUMBER		P.O. NUMBER		MEANS SHIPPED		<b>3 ANALYSIS REQUESTED</b>							<b>4</b>																				
ADDRESS					PHONE NUMBER		FAX NUMBER		DATE SHIPPED									LOGIN # <b>04102599-</b>																					
CITY STATE ZIP					SAMPLER (PLEASE PRINT) <b>Dm Browne</b>				MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-SOLID L'CHT-LEACHATE OTHER:											LOGGED BY: _____ LAB PROJ.# _____ TEMPLATE: _____ PROJ. MGR.: _____																			
CONTACT PERSON					SAMPLER'S SIGNATURE <b>[Signature]</b>																																		
<b>2</b>	SAMPLE DESCRIPTION AS YOU WANT ON REPORT					DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE GRAB COMP		MATRIX TYPE		BOTTLE COUNT									REMARKS																
G 148					10/12		1025		Y				60		5									04102599-2															
G 155							1203																	-3															
G 20D							1515																	-4															
G 36 S							1417																	-5															
G 38 S							1452																	-6															
R 42 S							1400																	-7															
G 130							1434																	-1															
<b>5</b>					TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)					NORMAL RUSH					DATE RESULTS NEEDED					<b>6</b>					The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.														
					RUSH RESULTS VIA (PLEASE CIRCLE)					FAX PHONE																													
					FAX # IF DIFFERENT FROM ABOVE:					PHONE # IF DIFFERENT FROM ABOVE:																													
<b>7</b>					RELINQUISHED BY: (SIGNATURE) <b>[Signature]</b>					RECEIVED BY: (SIGNATURE) <b>[Signature]</b>					DATE					<b>8</b>					COMMENTS: (FOR LAB USE ONLY)														
					RELINQUISHED BY: (SIGNATURE)					RECEIVED BY: (SIGNATURE)					DATE																								
					RELINQUISHED BY: (SIGNATURE)					RECEIVED AT LAB BY: (SIGNATURE)					DATE																								

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